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| NEWS 8 | Apr 22 | Federal Research in Progress (FEDRIP) now available |
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| NEWS 11 | Jun 10 | PCTFULL has been reloaded |
| NEWS 12 | Jul 02 | FOREGE no longer contains STANDARDS file segment |
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| NEWS 15 | Jul 30 | NETFIRST to be removed from STN |
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| NEWS 17 | Aug 08 | PHARMAMarketLetter(PHARMAML) - new on STN |
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| NEWS 19 | Aug 19 | Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN |
| NEWS 20 | Aug 19 | IFIPAT, IFICDB, and IFIUDB have been reloaded |
| NEWS 21 | Aug 19 | The MEDLINE file segment of TOXCENTER has been reloaded |
| NEWS 22 | Aug 26 | Sequence searching in REGISTRY enhanced |
| NEWS 23 | Sep 03 | JAPIO has been reloaded and enhanced |
| NEWS 24 | Sep 16 | Experimental properties added to the REGISTRY file |
| NEWS 25 | Sep 16 | Indexing added to some pre-1967 records in CA/CAPLUS |
| NEWS 26 | Sep 16 | CA Section Thesaurus available in CAPLUS and CA |

| | |
|---|---|
| NEWS EXPRESS | February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002 |
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| NEWS PHONE | Direct Dial and Telecommunication Network Access to STN |
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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:55:34 ON 18 SEP 2002

=> file registry

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 18:55:42 ON 18 SEP 2002


Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 SEP 2002 HIGHEST RN 452274-20-3
DICTIONARY FILE UPDATES: 17 SEP 2002 HIGHEST RN 452274-20-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

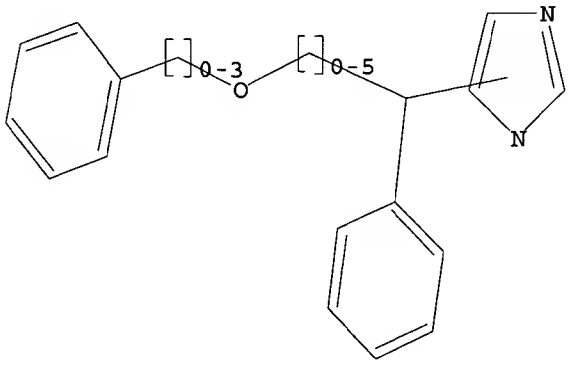
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 9997323.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Print selected from Online session18/09/2002

Structure attributes must be viewed using STN Express query preparation.

=> s l1
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SAMPLE SCREEN SEARCH COMPLETED - 11575 TO ITERATE

8.6% PROCESSED 1000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 225063 TO 237937
PROJECTED ANSWERS: 341 TO 1047

L2 3 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 18:56:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 232277 TO ITERATE

100.0% PROCESSED 232277 ITERATIONS 320 ANSWERS
SEARCH TIME: 00.00.06

L3 320 SEA SSS FUL L1

=> file uspatall
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 140.28 140.49

FILE 'USPATFULL' ENTERED AT 18:56:27 ON 18 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:56:27 ON 18 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l3
L4 31 L3

=> d abs bib fhitstr 1-31

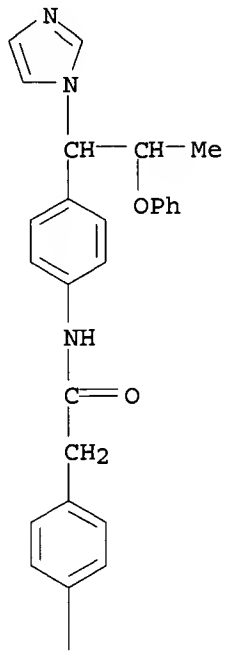
L4 ANSWER 1 OF 31 USPATFULL
AB The present invention is concerned with compounds of formula ##STR1##

the N-oxides, the pharmaceutically acceptable addition salts and the stereochemically isomeric forms thereof, wherein X represents O, S or NR.sup.3; R.sup.1 represents hydrogen, hydroxy, C.sub.1-6alkyl or aryl; R.sup.2 represents hydrogen; optionally substituted C.sub.1-12alkyl; C.sub.3-7cycloalkyl; C.sub.2-8alkenyl; aryl; Het.sup.1; or R.sup.1 and R.sup.2 taken together may form a bivalent radical of formula --(CH.sub.2).sub.n-- wherein n is 2, 3, 4, 5 or 6; R.sup.3 represents hydrogen, optionally substituted C.sub.1-6alkyl, aryl, Het.sup.1; R.sup.4 represents hydrogen; hydroxy; mercapto; C.sub.1-6alkyloxy; C.sub.1-6alkylthio; aryloxy; arylthio; Het.sup.1-oxy; Het.sup.1-thio; optionally substituted C-.sub.1-12alkyl; optionally substituted C.sub.2-8alkenyl; optionally substituted C.sub.2-8alkynyl; optionally substituted C.sub.3-7cycloalkyl; optionally substituted

C.sub.5-7cycloalkenyl; aryl; Het.sup.1; or --Alk--NR.sup.3R.sup.5 (i) or --NR.sup.3R.sup.5 (ii) wherein Alk represents C.sub.1-6alkanediyl; and R.sup.5 represents hydrogen, C.sub.1-6alkyl, aryl, Het.sup.1, (aryl or Het.sup.1)C.sub.1-6alkyl, (aryl or Het.sup.1)carbonyl or (aryl or Het.sup.1)C.sub.1-6alkyloxycarbonyl; aryl represents optionally substituted indanyl, indenyl, naphtyl, 5,6,7,8-tetrahydro-2-naphtalenyl or phenyl; Het represents an optionally substituted unsaturated heterocycle; and Het.sup.1 represents an optionally substituted monocyclic or bicyclic heterocycle; having retinoic mimetic activity; their preparation, compositions containing them and their use as a medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:214265 USPATFULL
TI Retinoic acid mimetic anilides
IN Mabire, Dominique, La Saussaye, FRANCE
Adelinet, Christophe Denis, Iville, FRANCE
Csoka, Imre Christian, Louviers, FRANCE
Venet, Marc Gaston, Le Mesnil-Esnard, FRANCE
PI US 2002115653 A1 20020822
AI US 2001-962551 A1 20010925 (9)
RLI Division of Ser. No. US 2000-555775, filed on 1 Jun 2000, GRANTED, Pat. No. US 6319939
PRAI EP 1997-203886 19971211
DT Utility
FS APPLICATION
LREP AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3087
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **227282-79-3P**
(prepn. of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and analogs as retinoid metab. inhibitors)
RN 227282-79-3 USPATFULL
CN Benzeneacetamide, 4-chloro-N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

L4 ANSWER 2 OF 31 USPATFULL

AB The present invention is directed to peptidomimetic macrocyclic compounds which inhibit prenyl-protein transferase and the prenylation of the oncogene protein Ras. The invention is further directed to chemotherapeutic compositions containing the compounds of this invention and methods for inhibiting prenyl-protein transferase and the prenylation of the oncogene protein Ras.

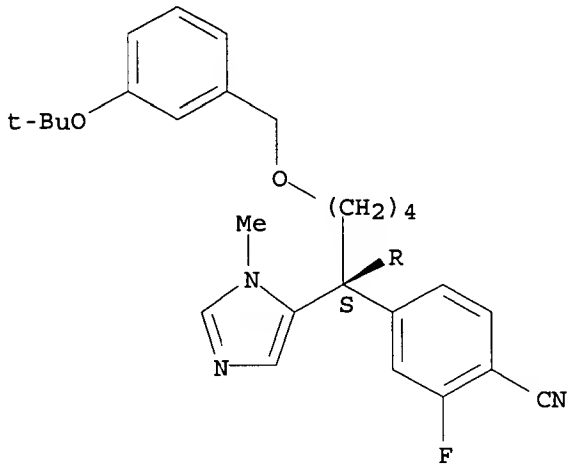
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:186086 USPATFULL
TI Inhibitors of prenyl-protein transferase
IN deSolms, S. Jane, Collegeville, PA, UNITED STATES
Stokker, Gerald E., Gwynedd Valley, PA, UNITED STATES
Shaw, Anthony W., Lansdale, PA, UNITED STATES
PI US 2002099007 A1 20020725
AI US 2001-757217 A1 20010109 (9)
PRAI US 2000-175801P 20000112 (60)
DT Utility
FS APPLICATION
LREP MERCK AND CO INC, P O BOX 2000, RAHWAY, NJ, 070650907
CLMN Number of Claims: 29
ECL Exemplary Claim: 1
DRWN No Drawings

LN.CNT 4365
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **443955-08-6P**
(prepn. of imidazole-substituted macrocyclic compds. as inhibitors of prenyl-protein transferase)
RN 443955-08-6 USPATFULL
CN 2-Propanesulfinamide, N-[(1R)-1-(4-cyano-3-fluorophenyl)-5-[[3-(1,1-dimethylethoxy)phenyl]methoxy]-1-(1-methyl-1H-imidazol-5-yl)pentyl]-2-methyl-, [S(R)]rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

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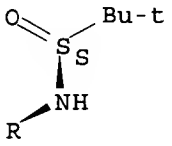



L4 ANSWER 3 OF 31 USPATFULL
AB Compounds of formula (I) ##STR1##

or pharmaceutically acceptable salts thereof, inhibit farnesyltransferase. Methods for making the compounds, pharmaceutical compositions containing the compounds, and methods of treatment using the compounds are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:32704 USPATFULL
TI Substituted phenyl farnesyltransferase inhibitors
IN Wang, Wei-Bo, Grayslake, IL, UNITED STATES
Curtin, Michael L., Pleasant Prairie, WI, UNITED STATES
Fakhoury, Stephen A., Ann Arbor, MI, UNITED STATES

Gwaltney, Stephen L., II, Lindenhurst, IL, UNITED STATES
Hasvold, Lisa A., Grayslake, IL, UNITED STATES
Hutchins, Charles W., Green Oaks, IL, UNITED STATES
Li, Qun, Libertyville, IL, UNITED STATES
Lin, Nan-Horng, Vernon Hills, IL, UNITED STATES
Nelson, Lissa Taka Jennings, Highland Park, IL, UNITED STATES
O'Connor, Steve, Guilford, CT, UNITED STATES
Sham, Hing L., Vernon Hills, IL, UNITED STATES
Sullivan, Gerard M., Round Lake Beach, IL, UNITED STATES
Wang, Gary T., Niles, IL, UNITED STATES
Wang, Xilu, Skokie, IL, UNITED STATES

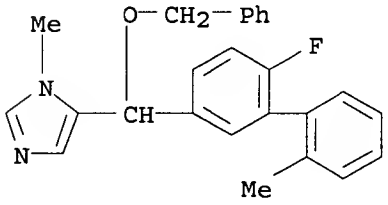
PI US 2002019527 A1 20020214
AI US 2001-842391 A1 20010425 (9)
PRAI US 2000-200165P 20000427 (60)
DT Utility
FS APPLICATION
LREP Gregory W. Steele, Abbott Laboratories, AP6D/2 D-377, 100 Abbott Park Road, Abbott Park, IL, 60064-6050
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 9159

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **371761-23-8P**
(prepn. of (imidazolylalkyl)biphenylcarbonitriles and analogs as farnesyltransferase inhibitors)

RN 371761-23-8 USPATFULL

CN 1H-Imidazole, 5-[(6-fluoro-2'-methyl[1,1'-biphenyl]-3-yl)(phenylmethoxy)methyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)




● HCl

L4 ANSWER 4 OF 31 USPATFULL

AB The present invention is directed to methods for the modulation of cardiac function which comprise the administration of certain compounds, as defined herein, having growth hormone secretagogue activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2001:226599 USPATFULL

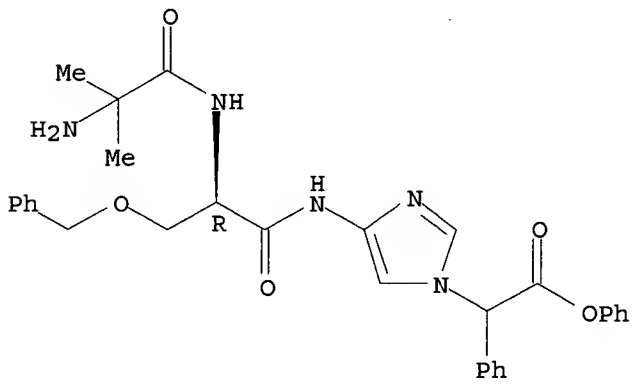
TI Treatment of congestive heart failure with growth hormone secretagogues

IN Kauffman, Raymond F., Carmel, IN, United States
Palkowitz, Alan D., Carmel, IN, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)

PI US 6329342 B1 20011211

WO 9908697 19990225
AI US 2000-485924 20000218 (9)
WO 1998-US17201 19980819
20000218 PCT 371 date
20000218 PCT 102(e) date
PRAI US 1997-56135P 19970819 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Henley, III, Raymond
LREP Boudreaux, William R., Strode, Janelle D., McNeil, Scott A.
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN 10 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 14373
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **220538-68-1P**
(prepn. of heterocyclic peptide derivs. as growth hormone secretagogues)
RN 220538-68-1 USPATFULL
CN D-Serinamide, 2-methylalanyl-N-[1-(2-oxo-2-phenoxy-1-phenylethyl)-1H-imidazol-4-yl]-O-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.




●2 HCl

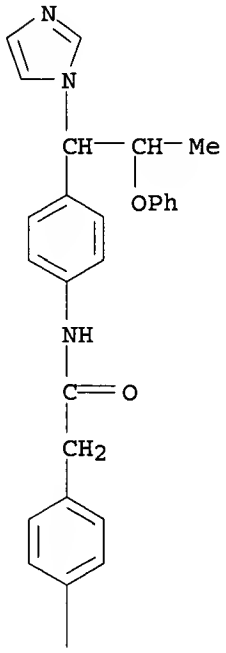
L4 ANSWER 5 OF 31 USPATFULL
AB The present invention is concerned with compounds of formula ##STR1##

the N-oxides, the pharmaceutically acceptable addition salts and the stereochemically isomeric forms thereof, wherein X represents O, S or NR.sup.3 ; R.sup.1 represents hydrogen, hydroxy, C.sub.1-6 alkyl or aryl; R.sup.2 represents hydrogen; optionally substituted C.sub.1-12 alkyl; C.sub.3-7 cycloalkyl; C.sub.2-8 alkenyl; aryl; Het.sup.1 ; or R.sup.1 and R.sup.2 taken together may form a bivalent radical of formula --(CH.sub.2).sub.n -- wherein n is 2, 3, 4, 5 or 6; R.sup.3 represents hydrogen, optionally substituted C.sub.1-6 alkyl, aryl, Het.sup.1 ; R.sup.4 represents hydrogen; hydroxy; mercapto; C.sub.1-6 alkyloxy; C.sub.1-6 alkylthio; aryloxy; arylthio; Het.sup.1 -oxy; Het.sup.1 -thio; optionally substituted C.sub.1-12 alkyl; optionally

substituted C.sub.2-8 alkenyl; optionally substituted C.sub.2-8 alkynyl; optionally substituted C.sub.3-7 cycloalkyl; optionally substituted C.sub.5-7 cycloalkenyl; aryl; Het.sup.1 ; or -Alk-NR.sup.3 R.sup.5 (i) or --NR.sup.3 R.sup.5 (ii) wherein Alk represents C.sub.1-6 alkanediyl; and R.sup.5 represents hydrogen, C.sub.1-6 alkyl, aryl, Het.sup.1, (aryl or Het.sup.1)C.sub.1-6 alkyl, (aryl or Het.sup.1)carbonyl or (aryl or Het.sup.1)C.sub.1-6 alkyloxycarbonyl; aryl represents optionally substituted indanyl, indenyl, naphtyl, 5,6,7,8-tetrahydro-2-naphtalenyl or phenyl; Het represents an optionally substituted unsaturated heterocycle; and Het.sup.1 represents an optionally substituted monocyclic or bicyclic heterocycle; having retinoic mimetic activity; their preparation, compositions containing them and their use as a medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2001:208905 USPATFULL
TI Retinoic acid mimetic anlides
IN Mabire, Dominique, La Saussaye, France
Adelinet, Christophe Denis, Iville, France
Csoka, Imre Christian, Louviers, France
Venet, Marc Gaston, Le Mesnil-Esnard, France
PA Janssen Pharmaceutica N.V., Beerse, Belgium (non-U.S. corporation)
PI US 6319939 B1 20011120
WO 9929674 19990617
AI US 2000-555775 20000601 (9)
WO 1998-EP8126 19981208
20000601 PCT 371 date
20000601 PCT 102(e) date
PRAI EP 1997-203886 19971211
DT Utility
FS GRANTED
EXNAM Primary Examiner: Davis, Zinna Northington
LREP Appollina, Mary
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2847
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **227282-79-3P**
(prepn. of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and analogs as retinoid metab. inhibitors)
RN 227282-79-3 USPATFULL
CN Benzeneacetamide, 4-chloro-N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

L4 ANSWER 6 OF 31 USPATFULL

AB The present invention provides ras farnesyl transferase inhibiting compounds of Formula I ##STR1## The present invention also provides a method of treating cancer and treating or preventing restenosis or atherosclerosis. Also provided by the present invention is a pharmaceutically acceptable composition containing a compound of Formula I.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2000:150186 USPATFULL

TI Benzopyranone and quinolone inhibitors of ras farnesyl transferase

IN Kaltenbronn, James Stanley, Ann Arbor, MI, United States
Leonard, Daniele Marie, Ann Arbor, MI, United States
Repine, Joseph Thomas, Ann Arbor, MI, United States

PA Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

PI US 6143766 20001107

AI US 2000-488437 20000120 (9)

PRAI US 1999-129586P 19990416 (60)

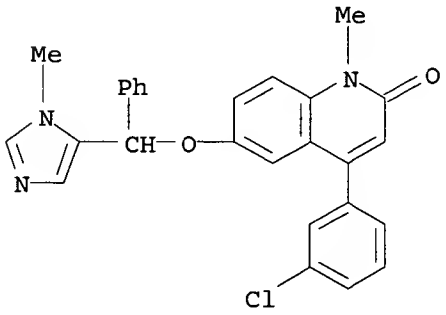
DT Utility

FS Granted

EXNAM Primary Examiner: Seaman, D. Margaret

LREP Ashbrook, Charles W.

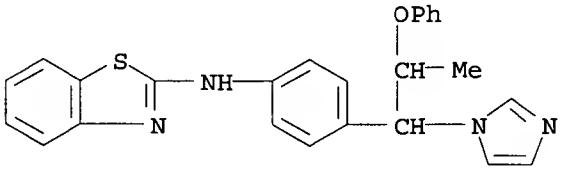
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1203
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **303999-02-2P**
(prepn. of benzopyranones and quinolones as inhibitors of ras farnesyl transferase)
RN 303999-02-2 USPATFULL
CN 2(1H)-Quinolinone, 4-(3-chlorophenyl)-1-methyl-6-[(1-methyl-1H-imidazol-5-yl)phenylmethoxy]- (9CI) (CA INDEX NAME)




L4 ANSWER 7 OF 31 USPATFULL
AB The present invention is concerned with compounds of formula ##STR1## the N-oxides, the pharmaceutically acceptable addition salts and the stereochemically isomeric forms thereof, wherein R.sup.1 is hydrogen, hydroxy, C.sub.1-6 alkyl or aryl; R.sup.2 is hydrogen; optionally substituted C.sub.1-12 alkyl; C.sub.3-7 cycloalkyl; C.sub.2-8 alkenyl, optionally substituted pyrrolidinyl or aryl; R.sup.3 is hydrogen, optionally substituted C.sub.1-6 alkyl or aryl; Het is an optionally substituted unsaturated heterocycle selected from imidazolyl, triazolyl, tetrazolyl and pyridinyl; ##STR2## is an optionally substituted unsaturated mono- or bicyclic heterocycle; and aryl is optionally substituted phenyl. The present invention also relates to processes for their preparation and compositions comprising said new compounds, as well as their use as a medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2000:128362 USPATFULL
TI N-[4-(Heteroarylmethyl)phenyl]-heteroarylamines
IN Venet, Marc Gaston, Le Mesnil Esnard, France
Mabire, Dominique Jean-Pierre, La Saussaye, France
Lacrampe, Jean Fernand Armand, Le Mesnil Esnard, France
Sanz, Gerard Charles, Le Mesnil Esnard, France
PA Janssen-Cilag S.A., Issy-les-Moulineaux Cedex, France (non-U.S. corporation)
PI US 6124330 20000926
WO 9749704 19971231
AI US 1999-214080 19990429 (9)
WO 1997-EP3248 19970619
19990429 PCT 371 date
19990429 PCT 102(e) date
PRAI EP 1996-201781 19960627
DT Utility

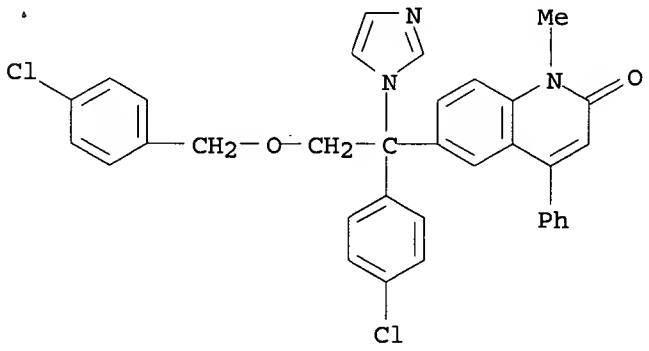
FS Granted
EXNAM Primary Examiner: McKane, Joseph; Assistant Examiner: Oswecki, Jane C.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1968
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **201410-91-5P**
(prepn. of N-[(heteroarylmethyl)phenyl]heteroarylamines as inhibitors of retinoic acid metab.)
RN 201410-91-5 USPATFULL
CN 2-Benzothiazolamine, N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]-(9CI) (CA INDEX NAME)




L4 ANSWER 8 OF 31 USPATFULL
AB The present invention is concerned with compounds of formula (I), ##STR1## the stereoisomeric forms thereof and the pharmaceutically acceptable acid or base addition salts thereof, wherein the dotted line represents an optional bond; X is oxygen or sulfur; R.sup.1 is hydrogen, C.sub.1-12 alkyl, Ar.sup.1, Ar.sup.2 C.sub.1-6 alkyl, quinolinylC.sub.1-6 alkyl, pyridylC.sub.1-6 alkyl, hydroxyC.sub.1-6 alkyl, C.sub.1-6 alkyloxyC.sub.1-6 alkyl, mono- or di(C.sub.1-6 alkyl)-aminoC.sub.1-6 alkyl, aminoC.sub.1-6 alkyl, or a radical of formula --Alk.sup.1 --C(.dbd.O)--R.sup.9, --Alk.sup.1 --S(O)--R.sup.9 or --Alk.sup.1 --S(O).sub.2 --R.sup.9 ; R.sup.2 and R.sup.3 each independently are hydrogen, hydroxy, halo, cyano, C.sub.1-6 alkyl, C.sub.1-6 alkyloxy, hydroxyC.sub.1-6 alkyloxy, C.sub.1-6 alkyloxy-C.sub.1-6 alkyloxy, aminoC.sub.1-6 alkyloxy, mono- or di(C.sub.1-6 alkyl)aminoC.sub.1-6 alkyloxy, Ar.sup.1, Ar.sup.2 C.sub.1-6 alkyl, Ar.sup.2 oxy, Ar.sup.2 C.sub.1-6 alkyloxy, hydroxycarbonyl, C.sub.1-6 alkyloxycarbonyl, trihalomethyl, trihalomethoxy, C.sub.2-6 alkenyl; or when on adjacent positions R.sup.2 and R.sup.3 taken together may form a bivalent radical; R.sup.4 and R.sup.5 each independently are hydrogen, Ar.sup.1, C.sub.1-6 alkyl, C.sub.1-6 alkyloxyC.sub.1-6 alkyl, C.sub.1-6 alkyloxy, C.sub.1-6 alkylthio, amino, hydroxycarbonyl, C.sub.1-6 alkyloxycarbonyl, C.sub.1-6 alkylS(O)C.sub.1-6 alkyl or C.sub.1-6 alkylS(O).sub.2 --C.sub.1-6 alkyl; R.sup.6 and R.sup.7 each independently are hydrogen, halo, cyano, C.sub.1-6 alkyl, C.sub.1-6 alkyloxy or Ar.sup.2 oxy; R.sup.8 is hydrogen, C.sub.1-6 alkyl, cyano, hydroxycarbonyl, C.sub.1-6 alkyloxycarbonyl, C.sub.1-6 alkylcarbonylC.sub.1-6 alkyl, cyanoC.sub.1-6 alkyl, C.sub.1-6 alkyloxy-carbonylC.sub.1-6 alkyl, hydroxycarbonylC.sub.1-6 alkyl, hydroxyC.sub.1-6 alkyl, aminoC.sub.1-6 alkyl, mono- or di(C.sub.1-6 alkyl)aminoC.sub.1-6 alkyl, haloC.sub.1-6 alkyl, C.sub.1-6 alkyloxy-C.sub.1-6 alkyl, aminocarbonylC.sub.1-6 alkyl, Ar.sup.1, Ar.sup.2 C.sub.1-6 alkyloxyC.sub.1-6 alkyl, C.sub.1-6 alkylthioC.sub.1-6 alkyl; R.sup.10 is hydrogen, C.sub.1-6 alkyl or halo; R.sup.11 is hydrogen or C.sub.1-6 alkyl; having farnesyl transferase inhibiting activity; their preparation, compositions containing them and

their use as a medicine.

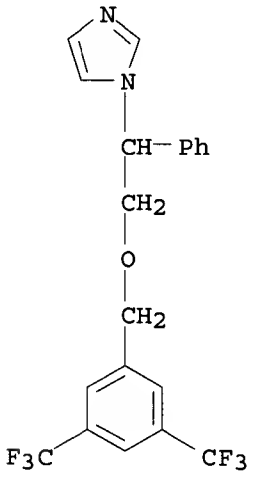
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 1999:128568 USPATFULL
TI Farnesyl transferase inhibiting 2-quinolone derivatives
IN Venet, Marc Gaston, Le Mesnil Esnard, France
Angibaud, Patrick Rene, Fontaine-Bellenger, France
Sanz, Gerard Charles, Le Mesnil Esnard, France
End, David William, Ambler, PA, United States
PA Janssen Pharmaceutica, N.V., Beerse, Belgium (non-U.S. corporation)
PI US 5968952 19991019
WO 9716443 19970509
AI US 1998-66441 19980429 (9)
WO 1996-EP4661 19961025
19980429 PCT 371 date
19980429 PCT 102(e) date
PRAI EP 1995-202945 19951031
DT Utility
FS Granted
EXNAM Primary Examiner: Mach, D Margaret M
LREP Appollina, Mary A.
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1727
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **190898-15-8P**
(prepn. of quinolone derivs. as farnesyl transferase inhibitors)
RN 190898-15-8 USPATFULL
CN 2(1H)-Quinolinone, 6-[1-(4-chlorophenyl)-2-[(4-chlorophenyl)methoxy]-1-(1H-imidazol-1-yl)ethyl]-1-methyl-4-phenyl- (9CI) (CA INDEX NAME)




L4 ANSWER 9 OF 31 USPATFULL
AB Compounds of formula (I), or a salt or prodrug thereof are tachykinin antagonists.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 97:36207 USPATFULL
TI Phenyl derivatives useful as tachykinin antagonists
IN Keown, Linda E., Cambridge, Great Britain
Ladduwahetty, Tamara, London, England
Van Niel, Monique B., Welwyn Garden City, Netherlands
PA Merck, Sharp & Dohme Ltd., Hoddesdon, England (non-U.S. corporation)

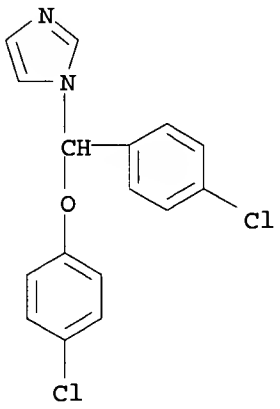
PI US 5624947 19970429
WO 9414767 19940707 ##STR1##
AI US 1995-481503 19950620 (8)
WO 1993-GB2559 19931215
19950620 PCT 371 date
19950620 PCT 102(e) date
PRAI GB 1992-26581 19921221
DT Utility
FS Granted
EXNAM Primary Examiner: Ramsuer, Robert W.
LREP North, Robert J., Winokur, Melvin
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 659
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **157171-50-1P**
(prepn. of, as tachykinin antagonist)
RN 157171-50-1 USPATFULL
CN 1H-Imidazole, 1-[2-[[3,5-bis(trifluoromethyl)phenyl]methoxy]-1-phenylethyl]- (9CI) (CA INDEX NAME)




L4 ANSWER 10 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:16191 USPATFULL
TI Aryl(aryloxy or arylthio) azolomethanes, and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4731372 19880315
AI US 1986-897485 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility

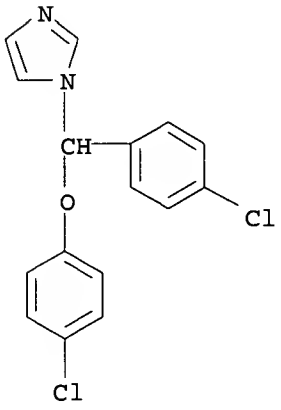
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 790
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)




L4 ANSWER 11 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:13231 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4728657 19880301
AI US 1986-897572 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 788
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)




L4 ANSWER 12 OF 31 USPATFULL

AB Labile quaternary ammonium salts of the following formula (I) and (II) are provided: ##STR1## wherein N represents a tertiary aliphatic amine; wherein N represents an unsaturated amine; wherein R represents a member selected from the group consisting of a hydrogen atom, a C.sub.1 -C.sub.8 open chain or cyclo alkyl group, a C.sub.1 -C.sub.8 alkoxyalkyl group, a C.sub.1 -C.sub.8 acyloxyalkyl group, a C.sub.1 -C.sub.8 haloalkyl group, a C.sub.1 -C.sub.8 carboxyalkyl group, a C.sub.2 -C.sub.8 alkenylphenyl group, an aryl group, and a substituted aryl group, whose substituents are selected from the group consisting of a halogen atom, an O-lower alkyl (C.sub.1 -C.sub.4) group, an O-acyl group, a nitro group, a carboxyl group, and a carboethoxy group; wherein R.sub.1 which may be the same or different, represents any member defined by R above with the proviso that R.sub.1 cannot be a hydrogen atom; wherein X is --O-- or --S--; and wherein Y represents a member selected from the group consisting of a halogen atom or any other organic or inorganic monovalent equivalent anion; with the further proviso that N and N, respectively cannot represent trimethylamine and pyridine or quinoline when R represents a hydrogen atom and R.sub.1 represents a methyl group or a phenyl group. The compounds described above are characterized by their extreme solubility and resistance to oxidation, dealkylation, and protonation prior to chemical and/or enzymatic hydrolysis. Upon chemical and/or enzymatic hydrolysis, these compounds will "cleave," thus releasing their active constituent or constituents, according to the following general scheme(s): ##STR2## In other words, the title compounds hydrolyze (chemically or enzymatically) releasing a tertiary amine or unsaturated amine derivative, an aldehyde, a carboxylic acid and a hydrogen halide (HX) per the above reaction scheme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 88:11591 USPATFULL

TI Labile quaternary ammonium salts as prodrugs

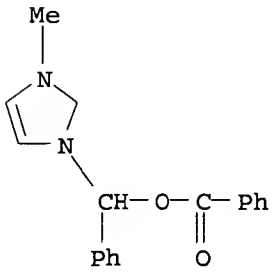
IN Bodor, Nicolae S., Lawrence, KS, United States

PA INTERx Research Corporation, Lawrence, KS, United States (U.S. corporation)

PI US 4727151 19880223

AI US 1978-962948 19781122 (5)

RLI Division of Ser. No. US 1976-724914, filed on 20 Sep 1976, now patented, Pat. No. US 4160099 which is a continuation-in-part of Ser. No. US 1974-482513, filed on 24 Jun 1974, now patented, Pat. No. US 3988815
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Whittenbaugh, Robert C.
LREP Polk, Manfred, Sudol, Jr., Michael C.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1514
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **58577-54-1P**
(prepn. of)
RN 58577-54-1 USPATFULL
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)



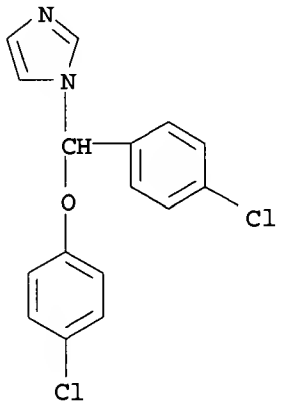

● Cl⁻

**FRAGMENT DIAGRAM IS INCOMPLETE**

L4 ANSWER 13 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

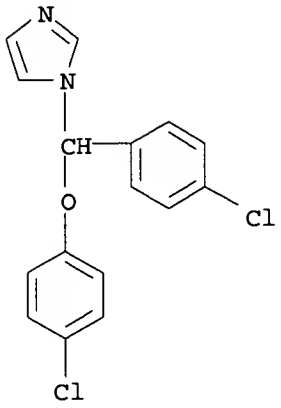
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:4295 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4720502 19880119
AI US 1986-897571 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1

DRWN No Drawings
LN.CNT 790
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



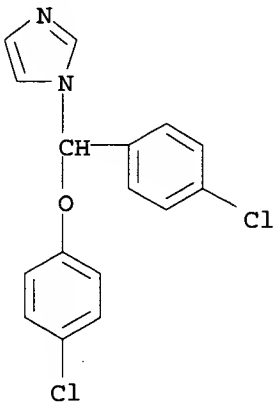

L4 ANSWER 14 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:1288 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4717734 19880105
AI US 1986-897484 19860818 (6)
RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 789
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



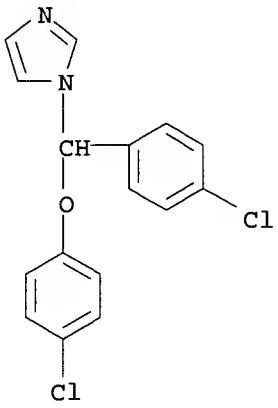
L4 ANSWER 15 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:1287 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4717733 19880105
AI US 1986-897574 19860818 (6)
RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 790
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



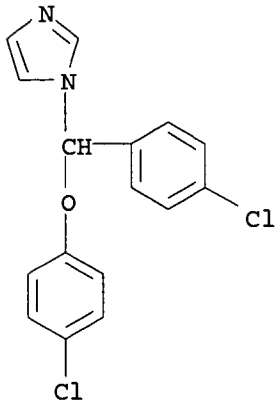

L4 ANSWER 16 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:1286 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4717732 19880105
AI US 1986-897573 19860818 (6)
RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 789
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



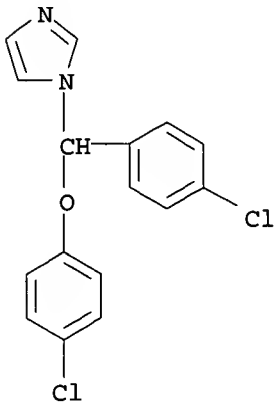

L4 ANSWER 17 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 87:89186 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4716174 19871229
AI US 1986-898061 19860818 (6)
RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 789
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



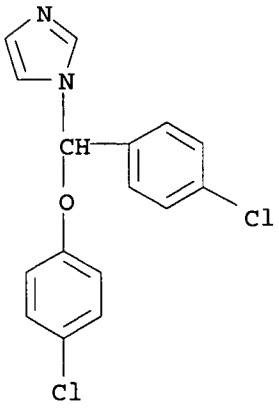

L4 ANSWER 18 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 87:73323 USPATFULL
TI Pyridyl (pyridyloxy or pyriolylthio) azolomethanes
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4701463 19871020
AI US 1986-897483 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Mar 1987 Continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 787
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



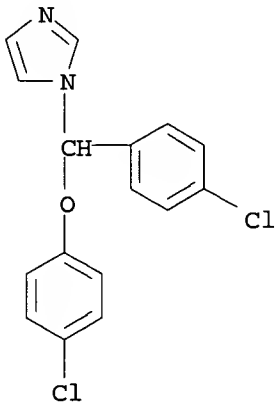

L4 ANSWER 19 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 87:73068 USPATFULL
TI Phenyl (phenoxy or phenylthio) azolomethanes
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4701207 19871020
AI US 1986-897551 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 786
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



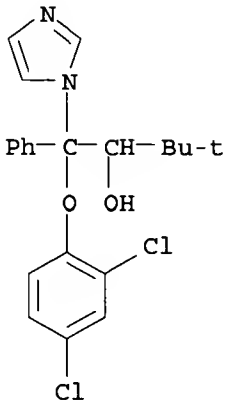

L4 ANSWER 20 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 87:3266 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4636514 19870113
AI US 1984-653399 19840924 (6)
RLI Continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 788
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **90703-48-3P**
(prepn. of, as fungicide, insecticide, and herbicide)
RN 90703-48-3 USPATFULL
CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)




L4 ANSWER 21 OF 31 USPATFULL
AB Compositions are prepared which are useful for treating skin conditions caused, in whole or in part, by Pityrosporum ovale which comprise a therapeutically-effective amount of an azole antimycotic in combination with a diluent or carrier suitable for application to human skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:52750 USPATFULL
TI Azole antimycotics and their use in treating skin conditions caused by Pityrosporum ovale
IN Buchel, Karl H., Burscheid, Germany, Federal Republic of
Plempel, Manfred, Haan, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)
PI US 4472421 19840918
AI US 1980-135985 19800331 (6)
RLI Continuation of Ser. No. US 1975-585847, filed on 11 Jun 1975, now abandoned
PRAI DE 1974-2430039 19740622
DT Utility
FS Granted
EXNAM Primary Examiner: Schenkman, Leonard
LREP Jacobs & Jacobs
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1192
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **55362-27-1**
(Pityrosporum ovale growth inhibition by)
RN 55362-27-1 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 22 OF 31 USPATFULL

AB A new imidazole compound is now provided, which is represented by the general formula ##STR1## wherein R.sub.1 is naphthyl group, an arylalkyl group, a cycloalkyl group, a cycloalkylalkyl group, an alkyl group, a lower alkenyl group, a lower alkoxy-lower alkyl group or a phenylthio-lower alkyl group or phenyl group or a substituted phenyl group;

R.sub.2 is an unsubstituted or substituted alkyl group or an alkenyl group or an alkynyl group, naphthyl group, or an unsubstituted or substituted phenyl group;

X is an oxygen atom or a sulfur atom; and

Y is an unsubstituted or substituted alkylene group or an unsubstituted or substituted alkenylene group. The new imidazole compound and its salt show a usefully high fungicidal activity against a wide variety of fungi which infest crop plants. The new imidazole compound and its salt may be useful as fungicidal agent of agricultural and horticultural usages.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 83:27697 USPATFULL

TI Imidazole derivatives and fungicidal composition containing the same

IN Ohyama, Hiroshi, Chigasaki, Japan
Morita, Ken, Hiratsuka, Japan
Wada, Takuo, Hatano, Japan
Miyahara, Masahiko, Atsugi, Japan

PA Hokko Chemical Industry Company, Ltd., Japan (non-U.S. corporation)

PI US 4391804 19830705

AI US 1982-358533 19820316 (6)

DT Utility

FS Granted

EXNAM Primary Examiner: Ramsuer, Robert W.

LREP Larson and Taylor

CLMN Number of Claims: 9

ECL Exemplary Claim: 1,8

DRWN No Drawings

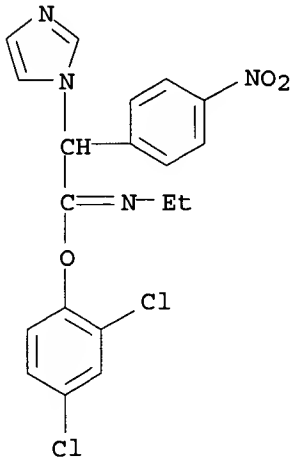
LN.CNT 2022

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **84479-44-7P**
(prepn. and fungicidal activity of)

RN 84479-44-7 USPATFULL

CN 1H-Imidazole-1-ethanimidic acid, N-ethyl-.alpha.-(4-nitrophenyl)-, 2,4-dichlorophenyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 23 OF 31 USPATFULL

AB Labile quaternary ammonium salts of the following formula (I) and (II) are provided: ##STR1## wherein ##STR2## represents a tertiary aliphatic amine; wherein ##STR3## represents an unsaturated amine; wherein R represents a member selected from the group consisting of a hydrogen atom, a C.sub.1 -C.sub.8 open chain or cyclo alkyl group, a C.sub.1 -C.sub.8 alkoxyalkyl group, a C.sub.1 -C.sub.8 acyloxyalkyl group, a C.sub.1 -C.sub.8 haloalkyl group, a C.sub.1 -C.sub.8 carboxyalkyl group, a C.sub.2 -C.sub.8 alkenylphenyl group, an aryl group, and a substituted aryl group, whose substituents are selected from the group consisting of a halogen atom, an O-lower alkyl (C.sub.1 -C.sub.4) group, an O-acyl group, a nitro group, a carboxyl group, and a carboethoxy group; wherein R.sub.1 which may be the same or different, represents any member defined by R above with the proviso that R.sub.1 cannot be a hydrogen atom; wherein X is --O-- or --S--; and wherein Y represents a member selected from the group consisting of a halogen atom or any other organic or inorganic monovalent equivalent anion;

With the further proviso that ##STR4## respectively cannot represent trimethylamine and pyridine or quinoline when R represents a hydrogen atom and R.sub.1 represents a methyl group or a phenyl group.

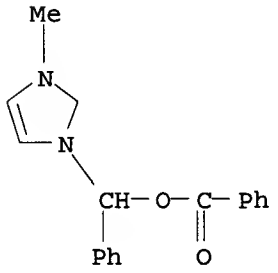
The compounds described above are characterized by their extreme solubility and resistance to oxidation, dealkylation, and protonation prior to chemical and/or enzymatic hydrolysis. Upon chemical and/or enzymatic hydrolysis, these compounds will "cleave," thus releasing their active constituent or constituents, according to the following general scheme(s): ##STR5## In other words, the title compounds hydrolyze (chemically or enzymatically) releasing a tertiary amine or unsaturated amine derivative, an aldehyde, a carboxylic acid and a hydrogen halide (HX) per the above reaction scheme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 79:30016 USPATFULL

TI Labile, non-heterocyclic quaternary ammonium salt/esters as transient derivatives

IN Bodor, Nicolae S., Lawrence, KS, United States
PA Interx Research Corporation, Lawrence, United States (U.S. corporation)
PI US 4160099 19790703
AI US 1976-724914 19760920 (5)
DCD 19931102
RLI Continuation-in-part of Ser. No. US 1974-482513, filed on 24 Jun 1974, now patented, Pat. No. US 3998815
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Bacon & Thomas
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1476
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **58577-54-1P**
(prepn. of)
RN 58577-54-1 USPATFULL
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)




● Cl⁻

**FRAGMENT DIAGRAM IS INCOMPLETE**

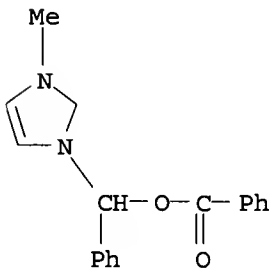
L4 ANSWER 24 OF 31 USPATFULL
AB Labile quaternary ammonium salts of the following formula (I) and (II) are provided: ##STR1## wherein N represents a tertiary aliphatic amine; wherein N represents an aromatic amine; wherein R represents a member selected from the group consisting of a hydrogen atom, a C.sub.1 -C.sub.8 open chain or cyclo alkyl group, a C.sub.1 -C.sub.8 alkoxyalkyl group, a C.sub.1 -C.sub.8 acyloxyalkyl group, a C.sub.1 -C.sub.8 haloalkyl group, a C.sub.1 -C.sub.8 carboxyalkyl group, an aryl group, and a substituted aryl group, whose substituents are selected from the group consisting of a halogen atom, an O-lower alkyl (C.sub.1 -C.sub.4) group, an O-acyl group, a nitro group, a carboxyl group, and a carboethoxy group; wherein R.sub.1 which may be the same or different, represents any member defined by R above with the proviso that R.sub.1 cannot be a hydrogen atom; and wherein X.sup.- represents a member selected from the group consisting of a halogen atom or any other equivalent anion;

With the further proviso that N and N, respectively cannot represent

trimethylamine and pyridine or quinoline when R represents a hydrogen atom and R.sub.1 represents a methyl group or a phenyl group.

The compounds described above are characterized by their extreme solubility and resistance to oxidation, dealkylation, and protonation prior to chemical and/or enzymatic hydrolysis. Upon chemical and/or enzymatic hydrolysis, these compounds will "cleave," thus releasing their active constituent or constituents, according to the following general scheme(s): ##STR2## In other words, the title compounds hydrolyze (chemically or enzymatically) releasing a tertiary amine or aromatic amine derivative, an aldehyde, a carboxylic acid and a hydrogen halide (HX) per the above reaction scheme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 76:69164 USPATFULL
TI 1-Hydrocarbonoyloxymethyl-3-carbamoyl or 3-carboethoxy-pyridinium salts
IN Bodor, Nicolae S., Lawrence, KS, United States
PA Interx Research Corporation, Lawrence, KS, United States (U.S. corporation)
PI US 3998815 19761221
AI US 1974-482513 19740624 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Trousof, Natalie; Assistant Examiner: Dentz, Bernard I.
LREP Blitzer, Charles N.
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 408
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **58577-54-1P**
(prepn. of)
RN 58577-54-1 USPATFULL
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)




● $Cl^-$

**FRAGMENT DIAGRAM IS INCOMPLETE**

L4 ANSWER 25 OF 31 USPATFULL
AB Pharmaceutical compositions are produced which comprise combining an antimycotically effective amount of a compound of the formula ##EQU1##

or a pharmaceutically acceptable, nontoxic salt thereof, wherein R.sup.1 is unsubstituted or substituted aryl,

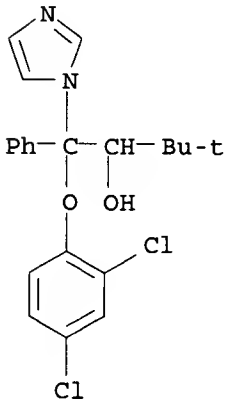
R.sup.2 is hydrogen, alkyl or unsubstituted or substituted aryl,

R.sup.3 is hydrogen, alkyl, cycloalkyl, unsubstituted or substituted aryl or unsubstituted or substituted aralkyl, and

R.sup.4 is hydrogen, alkyl, alkenyl, cycloalkyl, unsubstituted or substituted aryl, or unsubstituted or substituted aralkyl,

Provided that R.sup.3 and R.sup.4 are not both hydrogen atoms, in combination with a pharmaceutically-acceptable, nontoxic, inert diluent or carrier.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 76:38159 USPATFULL
TI Antimycotic compositions
IN Kramer, Wolfgang, Wuppertal, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal, Germany, Federal Republic of
Plempel, Manfred, Wuppertal, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)
PI US 3968229 19760706
AI US 1974-481660 19740621 (5)
PRAI DE 1973-2333355 19730630
DT Utility
FS Granted
EXNAM Primary Examiner: Goldberg, Jerome D.
CLMN Number of Claims: 36
ECL Exemplary Claim: 19
DRWN No Drawings
LN.CNT 703
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **55362-27-1P**
(prepn. of)
RN 55362-27-1 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)




L4 ANSWER 26 OF 31 USPATFULL

AB Imidazolyls of the formula ##EQU1## in which R.sup.1 is optionally substituted aryl,

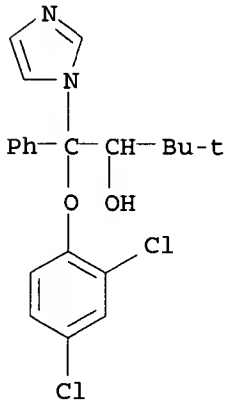
R.sup.2 is hydrogen, alkyl or optionally substituted aryl,

R.sup.3 is hydrogen, alkyl, alkenyl, cycloalkyl, optionally substituted aryl or optionally substituted aralkyl, and

R.sup.4 is alkyl, alkenyl, cycloalkyl, optionally substituted aryl or optionally substituted aralkyl,

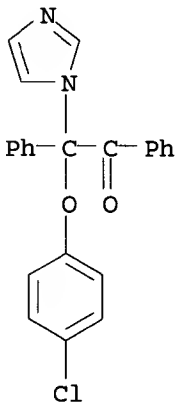
And their salts, which possess fungicidal and plant growth regulating properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 76:10191 USPATFULL
TI 1-Phenoxy-[imidazolyl-(1)]-2-hydroxy-alkanes
IN Kramer, Wolfgang, Wuppertal, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal, Germany, Federal Republic of
Frohberger, Paul-Ernst, Leverkusen, Germany, Federal Republic of
Scheinpflug, Hans, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)
PI US 3940414 19760224
AI US 1974-480433 19740617 (5)
PRAI DE 1973-2333354 19730630
DT Utility
FS Granted
EXNAM Primary Examiner: Trousof, Natalie
LREP Burgess, Dinklage & Sprung
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 660
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **55362-27-1P**
(manuf. of fungicidal)
RN 55362-27-1 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 27 OF 31 USPATFULL
AB Imidazole derivatives of alkyl, cycloalkyl or aryl ketones are antimycotic agents. The compounds, of which 1-imidazolyl-1-(4'-chlorophenoxy)-3,3-dimethylbutan-2-one is a typical embodiment, can be obtained from the corresponding hydroxy or halo ketone through treatment with imidazole.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 75:45071 USPATFULL
TI Imidazolyl ketones for treating mycotic infections
IN Meiser, Werner, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
Plempel, Manfred, Wuppertal-Elberfeld, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)
PI US 3903287 19750902
AI US 1973-402050 19731001 (5)
RLI Division of Ser. No. US 1972-219556, filed on 20 Jan 1972, now patented, Pat. No. US 3812142, issued on 21 May 1974
PRAI DE 1971-2105490 19710205
DT Utility
FS Granted
EXNAM Primary Examiner: Goldberg, Jerome D.
CLMN Number of Claims: 74
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 704
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **38083-26-0P**
(prepn. of)
RN 38083-26-0 USPATFULL
CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI) (CA INDEX NAME)




L4 ANSWER 28 OF 31 USPATFULL
AB Combating fungi with imidazole derivatives of the formula ##SPC1##

In which

R.sup.1 and R.sup.3 each independently is an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl or aralkyl

radical, and

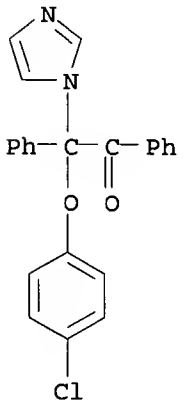
R.sup.2 is hydrogen or one of the radicals recited for R.sup.1,

X is oxygen or sulfur, and

Y is a keto group or a functional derivative of a keto group,

And their salts.

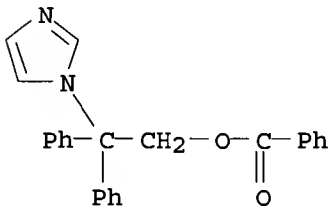
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 75:40090 USPATFULL
TI Combating fungi with derivatives of 1-imidazolyl- ethanones-(2)
IN Meiser, Werner, Wuppertal, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal, Germany, Federal Republic of
Kramer, Wolfgang, Wuppertal, Germany, Federal Republic of
Grewe, Ferdinand, Buscheid, Germany, Federal Republic of
Frohberger, Paul-Ernst, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 3898341 19750805
AI US 1974-469938 19740514 (5)
PRAI DE 1973-2325156 19730518
DT Utility
FS Granted
EXNAM Primary Examiner: Meyers, Albert T.; Assistant Examiner: Robinson, D. W.
LREP Burgess, Dinklage & Sprung
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 550
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **38083-26-0P**
(prepn. and fungicidal activity of)
RN 38083-26-0 USPATFULL
CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI)
(CA INDEX NAME)




L4 ANSWER 29 OF 31 USPATFULL
AB Phenyl-imidazolylalkanyl derivatives are antimycotic agents. They are prepared by a number of processes including acylation or sulfonylation

of a phenyl-imidazolylalkanol, treatment of a phenyl-alkanyl-carbinol with a diimidazolyl sulfone, oxidation of a phenyl-imidazolylalkylmercaptan or reduction of a phenyl-imidazolylalkanoate or alkanonitrile. A typical embodiment is 1-(1,1-diphenyl-2-acetoxyethyl)imidazole.

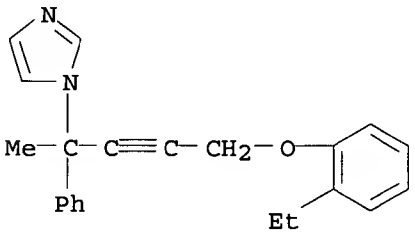
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 75:34470 USPATFULL
TI Phenyl-imidazolyl-alkanyl derivatives, their production and use
IN Metzger, Carl, Wuppertal-Elberfeld, Germany, Federal Republic of
Meiser, Werner, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
Plempel, Manfred, Wuppertal-Elberfeld, Germany, Federal Republic of
PA Farbenfabriken Bayer AG, Germany, Federal Republic of (non-U.S. corporation)
PI US 3892764 19750701
AI US 1973-346939 19730402 (5)
DCD 19910312
RLI Division of Ser. No. US 1971-172201, filed on 16 Aug 1971, now patented, Pat. No. US 3796704, issued on 12 Mar 1974
PRAI DE 1970-2041771 19700822
DT Utility
FS Granted
EXNAM Primary Examiner: Trousof, Natalie
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 970
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **35988-55-7P**
(prepn. of)
RN 35988-55-7 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.,.beta.-diphenyl-, benzoate (ester) (9CI) (CA INDEX NAME)



L4 ANSWER 30 OF 31 USPATFULL
AB 3-PHENYL-3-AZOLYLPROPYNES BEARING A LOWER ALKYL OR ARYL GROUP IN THE 3-POSITION AND OPTIONALLY SUBSTITUTED IN THE 1-POSITION BY HALOGENO, LOWER ALKYL, ARYL OR CERTAIN SUBSTITUTED LOWER ALKYL GROUPS ARE PREPARED BY TREATING THE CORRESPONDING 3-HYDROXYPROPYNE WITH A THIONYL BISAZOLE. Certain of the 1-substituted compounds can be prepared through substitution reactions utilizing the lithium salt. The compounds and their salts, of which 3,3-diphenyl-3-[imidazolyl-(1)]-propyne is a typical embodiment, are antimycotic agents and can be employed alone or in the form of pharmaceutical compositions in the treatment of mycotic infections in animals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 75:12448 USPATFULL
TI DERIVATIVES OF 3-AZOLYLPROPYNE AND PROCESSES FOR THEIR PREPARATION AND USE
IN Jager, Gerhard, Wuppertal-Elberfeld, Germany, Federal Republic of
Plempel, Manfred, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
PA Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)
PI US 3870726 19750311
AI US 1973-348581 19730406 (5)
RLI Continuation of Ser. No. US 1971-177843, filed on 3 Sep 1971, now abandoned
PRAI DE 1970-2044621 19700909
DT Utility
FS Granted
EXNAM Primary Examiner: Randolph, John D.
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 745
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **36698-25-6P**
(prepn. of)
RN 36698-25-6 USPATFULL
CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butynyl]- (9CI) (CA INDEX NAME)




L4 ANSWER 31 OF 31 USPATFULL
AB Fungicidal and bactericidal compositions comprising, and methods of combating fungi and bacteria using 3-azolylpropynes of the general formula ##SPC1##

In which

R.sup.1 is hydrogen, chlorine, bromine, iodine, alkyl, an optionally substituted aryl, aryloxyalkyl, arylthioalkyl, arylaminoalkyl or arylalkylaminoalkyl group, alkoxyalkyl, alkylmercaptoalkyl, alkylaminoalkyl, or dialkylaminoalkyl wherein the two alkyl radicals of the dialkylamino moiety may form, with the amine nitrogen atom, a five-membered to seven-membered ring that may contain at least one further hetero-atom or hetero-group,

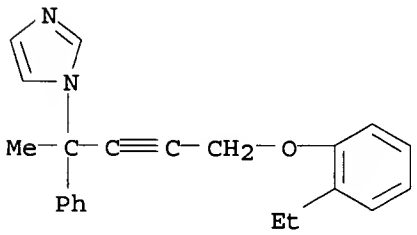
R.sup.2 is alkyl, optionally substituted cycloalkyl or optionally substituted aryl,

R.sup.3, r.sup.4 and R.sup.5 each independently is hydrogen, alkyl, alkoxy, alkylmercapto or an electronegative substituent, and

Az represents an optionally substituted five-membered heterocyclic radical containing one or more nitrogen atoms,

Or their salts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 74:39956 USPATFULL
TI 3-AZOLYLPROPYNE FUNGICIDAL AGENTS
IN Jager, Gerhard, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
Grewe, Ferdinand, Burscheid, Germany, Federal Republic of
Frohberger, Paul-Ernst, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 3832466 19740827
AI US 1972-257365 19720526 (5)
PRAI DE 1971-2128700 19710609
DT Utility
FS Granted
EXNAM Primary Examiner: Meyers, Albert T.; Assistant Examiner: Robinson, D. W.
LREP Burgess, Dinklage & Sprung
CLMN Number of Claims: 9
DRWN No Drawings
LN.CNT 512
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **36698-25-6**
(fungicides)
RN 36698-25-6 USPATFULL
CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butynyl]- (9CI)
(CA INDEX NAME)




=> file caplus
COST IN U.S. DOLLARS

| | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 177.11 | 317.60 |

FILE 'CAPLUS' ENTERED AT 19:02:32 ON 18 SEP 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 18 Sep 2002 VOL 137 ISS 12
FILE LAST UPDATED: 17 Sep 2002 (20020917/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> d his

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     FILE 'REGISTRY' ENTERED AT 18:55:42 ON 18 SEP 2002
L1              STRUCTURE UPLOADED
L2            3 S L1
L3          320 S L1 FUL

     FILE 'USPATFULL, USPAT2' ENTERED AT 18:56:27 ON 18 SEP 2002
L4           31 S L3

     FILE 'CAPLUS' ENTERED AT 19:02:32 ON 18 SEP 2002

=> s l3
L5          30 L3

=> d abs bib fhitstr 1-30

L5   ANSWER 1 OF 30  CAPLUS  COPYRIGHT 2002 ACS
GI
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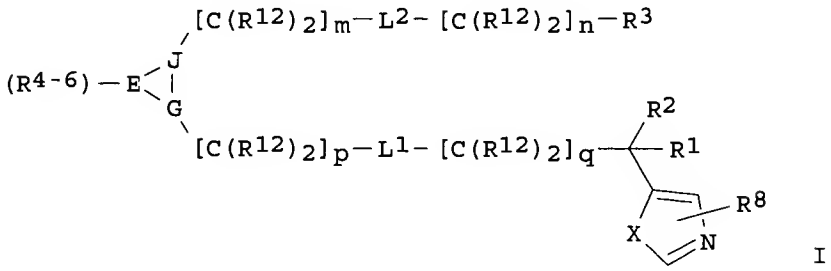

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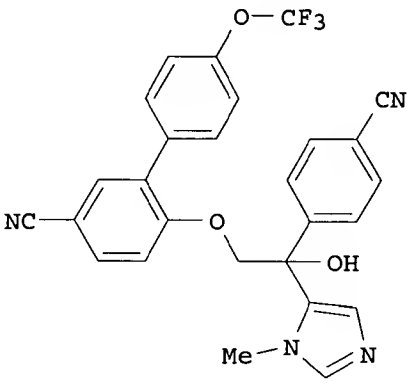


II

AB Substituted imidazoles and thiazoles I and their therapeutically acceptable salts are useful for inhibiting farnesyltransferase [wherein E = 5-, 6-, or 7-membered (non)arom. carbocyclic ring with 0-3 atoms optionally replaced by N; J, G = C, N, with proviso that when 1 of J and G = N, the other = C; L1, L2 = bond, C2-alkenylene, C2-alkynylene, O, NR9, C(O), S, S(O), SO2, SO2NR9, NR9SO2, C(O)NR9, NR9C(O), and CO2; X = S, NR7; R1 = aryl, arylalkyl, heterocyclyl, heterocyclylalkyl; R2 = H, alkoxy, alkyl, amino, aminoalkyl, cyano, cyanoalkyl, cycloalkyl, cycloalkylalkyl, halo, haloalkyl, heterocyclyl, heterocyclylalkyl, OH, hydroxyalkyl; R3 = aryl, heterocyclyl, cycloalkyl; R4-6 = H, NR9C(O), C(O)NR9, alkanoyl, alkenyl, alkoxy, alkoxyalkyl, alkyl, alkylsulfonyl, alkynyl, amido, amino, aminoalkyl, aminosulfonyl, aryl, arylalkyl, aryloxy, arylsulfonyl, N3, CO2H, cyano, cyanoalkyl, cycloalkyl, cycloalkylalkyl, halo, haloalkoxy, haloalkyl, heterocyclyl, heterocyclylalkyl, OH, hydroxyalkyl, NO2, nitroalkyl, oxo, thio(oxo); R7 = H, alkyl, aryl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, and trialkylsilyl; R8 = undefined; R9 = H, alkoxyalkyl, alkyl, amidoalkyl, aminoalkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, carboxyalkyl, heterocyclyl, heterocyclylalkyl, hydroxyalkyl, and N-protecting group; R12 = H, alkoxy, alkyl, amino, halo, OH; m, n, p, q = 0, 1, 2, 3 or 4]. Also disclosed are farnesyltransferase-inhibiting compns. and methods of inhibiting farnesyltransferase in a patient. Over 90 compds. were prepd., claimed, and tested, and numerous intermediates were prepd. For instance, Et (4-cyanophenyl)oxoacetate was transesterified with (1R,2S,5R)-(-)-menthol, and the resultant keto ester was stereoselectively arylated at carbonyl by the iodozinc deriv. of 5-iodo-1-methyl-1H-imidazole with 97.4% diastereomeric excess. Menthol was cleaved by redn. of the ester with LiBH4, and the obtained diol (single enantiomer) underwent aryl fluoride etherification of the primary alc. with 4-fluoro-3-bromobenzonitrile, followed by Pd-catalyzed coupling of the bromide with 4-CF3OC6H4B(OH)2, to give title compd. (S)-II. This compd. inhibited rat brain

farnesyltransferase in vitro with 90% inhibition at 10-9 M, vs. 97% by (.+-.)-II at 10-8 M.

AN 2002:638284 CAPLUS

TI Imidazole and thiazole derivatives of benzonitrile as farnesyltransferase inhibitors, and their preparation and use for the treatment of cancer.

IN Claiborne, Akiyo K.; Gwaltney,, Stephen L.; Hasvold, Lisa A.; Li, Qun; Li, Tongmei; Lin, Nan-horng; Mantei, Robert A.; Rockway, Todd W.; Sham, Hing L.; Sullivan, Gerard M.; Tong, Yunsong; Wang, Gary; Wang, Le; Wang, Xilu; Wang, Wei-bo

PA USA

SO U.S. Pat. Appl. Publ., 48 pp., Cont.-in-part of U.S. Ser. No. 727,230, abandoned.
CODEN: USXXCO

DT Patent

LA English

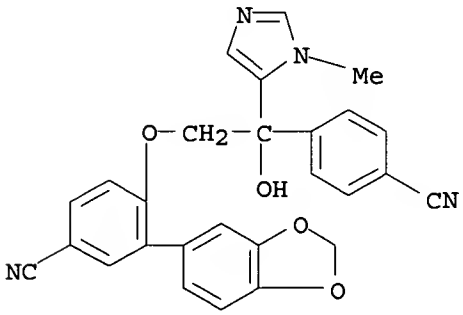
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI US 2002115640 | A1 | 20020822 | US 2001-912677 | 20010725 |
| PRAI US 2000-727230 | B2 | 20001130 | | |

IT **450837-81-7P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; prepn. of imidazole and thiazole derivs. of benzonitrile as farnesyltransferase inhibitors for treatment of cancer)

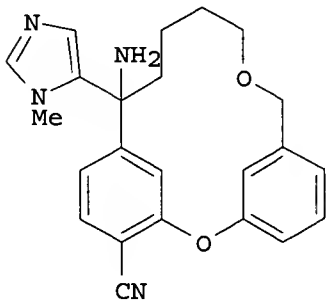
RN 450837-81-7 CAPLUS

CN Benzonitrile, 3-(1,3-benzodioxol-5-yl)-4-[2-(4-cyanophenyl)-2-hydroxy-2-(1-methyl-1H-imidazol-5-yl)ethoxy]- (9CI) (CA INDEX NAME)




L5 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI



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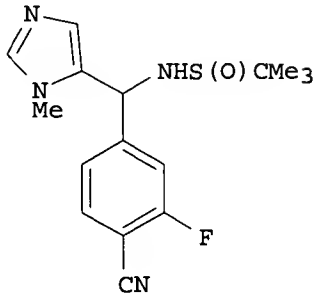


II

AB Peptidomimetic macrocyclic compds. which inhibit prenyl-protein transferase and the prenylation of the oncogene protein Ras were prepd. Thus, both enantiomers of the dioxatricycloeicosahexaene I were prepd. via reaction of the propanesulfinamide enatiomers with Br(CH2)4OCH2C6H4OCMe3-3, deblocking, and cyclization. I had IC50 .ltoreq. 5 .mu.M for the inhibition of Ras farnesyl transferase.

AN 2002:556102 CAPLUS

DN 137:125186

TI Imidazole-substituted macrocyclic compounds as inhibitors of prenyl-protein transferase

IN Desolms, S. Jane; Stokker, Gerald E.; Shaw, Anthony W.

PA USA

SO U.S. Pat. Appl. Publ., 64 pp.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI US 2002099007 | A1 | 20020725 | US 2001-757217 | 20010109 |
| PRAI US 2000-175801P | P | 20000112 | | |

OS MARPAT 137:125186

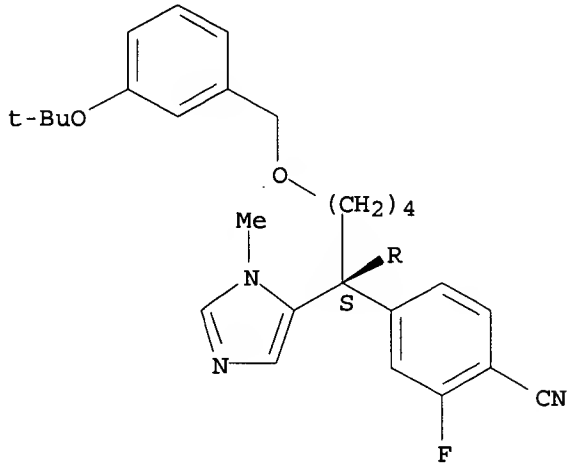
IT **443955-08-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of imidazole-substituted macrocyclic compds. as inhibitors of prenyl-protein transferase)

RN 443955-08-6 CAPLUS

CN 2-Propanesulfinamide, N-[(1R)-1-(4-cyano-3-fluorophenyl)-5-[[3-(1,1-dimethylethoxy)phenyl]methoxy]-1-(1-methyl-1H-imidazol-5-yl)pentyl]-2-methyl-, [S(R)]rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

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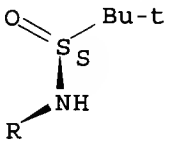
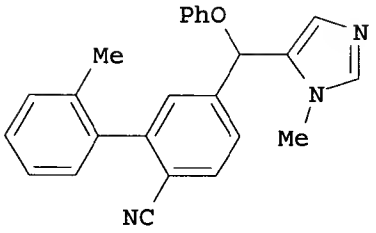



L5 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI




II

AB Title compds. (I) were prepd. Thus, 2-MeC6H4C6H3(CN)(CHO)-2,5 was condensed with 1-methyl-2-triethylsilyl-1H-imidazole (prepn. each given) and the product O-arylated to give title compd. II. Data for biol. activity of I were given.

AN 2002:123617 CAPLUS

DN 136:183819

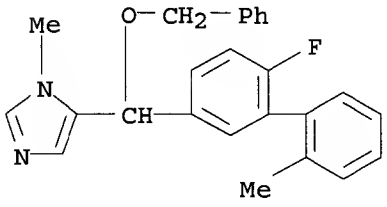
TI Preparation of (imidazolylalkyl)biphenylcarbonitriles and analogs as farnesyltransferase inhibitors

IN Wang, Wei-Bo; Curtin, Michael L.; Fakhoury, Stephen A.; Gwaltney, Stephen L.; Hasvold, Lisa A.; Hutchins, Charles W.; Li, Qun; Lin, Nan-Horng; Nelson, Lissa Taka Jennings; O'Connor, Steve; Sham, Hing L.; Sullivan,

Gerard M.; Wang, Gary T.; Wang, Xilu
PA USA
SO U.S. Pat. Appl. Publ., 189 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

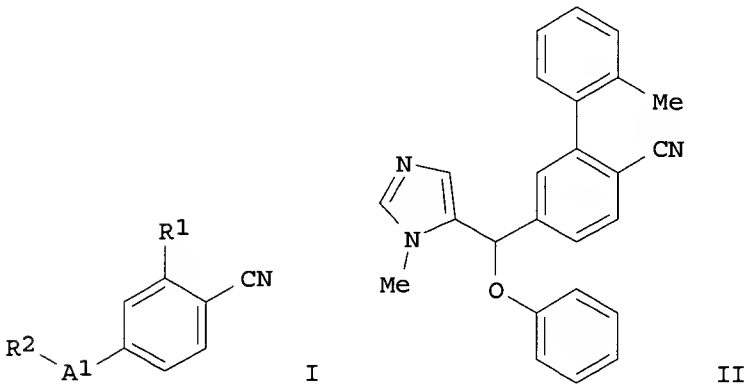
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| US 2002019527 | A1 | 20020214 | US 2001-842391 | 20010425 |

PRAI US 2000-200165P P 20000427
OS MARPAT 136:183819
IT **371761-23-8P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of (imidazolylalkyl)biphenylcarbonitriles and analogs as farnesyltransferase inhibitors)
RN 371761-23-8 CAPLUS
CN 1H-Imidazole, 5-[(6-fluoro-2'-methyl[1,1'-biphenyl]-3-yl)(phenylmethoxy)methyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)




● HCl

L5 ANSWER 4 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The title compds. [I; A1 = (un)substituted alkylene, etc.; R1 = halo, cycloalkyl, aryl, heteroaryl; R2 = heteroaryl selected from imidazolyl, pyrazolyl, pyrrolyl, etc.] and their pharmaceutically acceptable salts which farnesyltransferase, were prepd. E.g., 3-step synthesis of the benzonitrile II.HCl which 88% inhibition of farnesyltransferase at 10-6 M, was given.

AN 2001:798200 CAPLUS

DN 135:344482

TI Preparation of substituted 4-(heteroarylmethyl)benzonitriles as farnesyltransferase inhibitors

IN Wang, Wei-Bo; Curtin, Michael L.; Fakhoury, Stephen A.; Gwaltney, Stephen L., II; Hasvold, Lisa A.; Hutchins, Charles W.; Li, Qui; Lin, Nan-Horng; Jennings Nelson, Lissa Taka; O'Connor, Stephen J.; Sham, Hing L.; Sullivan, Gerald M.; Wang, Gary T.; Wang, Xilu

PA Abbott Laboratories, USA

SO PCT Int. Appl., 305 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 2001081316 | A2 | 20011101 | WO 2001-US13678 | 20010425 |
| | WO 2001081316 | A3 | 20020523 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

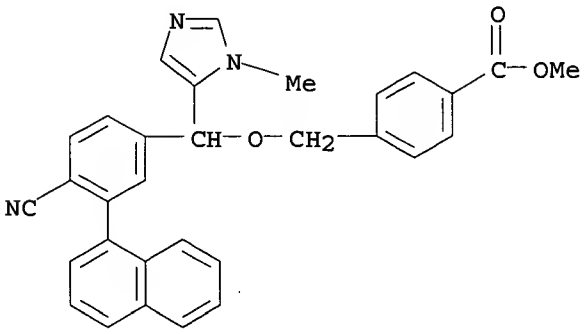
| | | | |
|---|---|---|---|
| PRAI | US 2000-563256 | A | 20000427 |
| | US 2001-822205 | A | 20010402 |

OS MARPAT 135:344482

IT **371761-88-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of substituted 4-(heteroarylmethyl)benzonitriles as farnesyltransferase inhibitors)

RN 371761-88-5 CAPLUS

CN Benzoic acid, 4-[[[4-cyano-3-(1-naphthalenyl)phenyl](1-methyl-1H-imidazol-5-yl)methoxy]methyl]-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 5 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB The present invention is directed to peptidomimetic macrocyclic compds. which inhibit prenyl-protein transferase and the prenylation of the oncogene protein Ras. The invention is further directed to chemotherapeutic compns. contg. the compds. of this invention and methods for inhibiting prenyl-protein transferase and the prenylation of the oncogene protein Ras.

AN 2001:525969 CAPLUS
DN 135:132423

TI Macrocyclic peptidomimetic inhibitors of prenyl-protein transferase for inhibiting prenylation of Ras oncoprotein

IN Desolms, S. Jane; Stokker, Gerald E.; Shaw, Anthony W.
PA Merck + Co., Inc., USA

SO PCT Int. Appl., 177 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI WO 2001051127 | A1 | 20010719 | WO 2001-US634 | 20010109 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

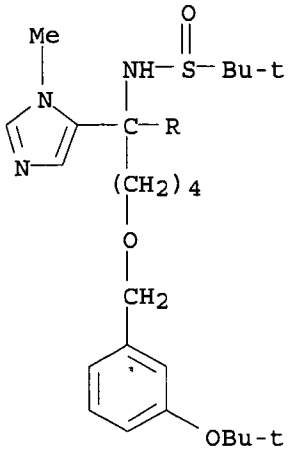
PRAI US 2000-175801P P 20000112
OS MARPAT 135:132423

IT **350689-03-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(macrocyclic peptidomimetic inhibitors of prenyl-protein transferase for inhibiting prenylation of Ras oncoprotein)

RN 350689-03-1 CAPLUS
CN 2-Propanesulfinamide, N-[1-(4-cyano-3-fluorophenyl)-5-[[3-(1,1-dimethylethoxy)phenyl]methoxy]-1-(1-methyl-1H-imidazol-5-yl)pentyl]-2-

methyl- (9CI) (CA INDEX NAME)

PAGE 1-A

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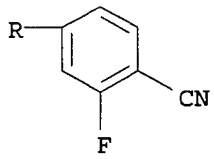
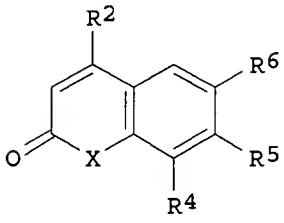



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



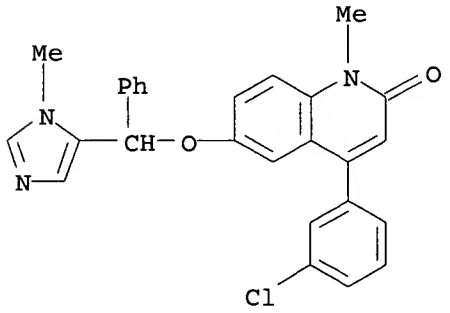

I

AB The title compds. I [X = NR3, O; R2 = alkyl, alkenyl, aryl, substituted aryl, aralkyl, substituted aralkyl, heteroaryl, substituted heteroaryl, heteroaralkyl; R4 = hydrogen, alkyl, alkenyl, aryl, substituted aryl, aralkyl, substituted aralkyl, heteroaralkyl; one of R5 and R6 = H, and the other is OR1], useful for treating cancer and treating or preventing restenosis or atherosclerosis, were prepd. E.g., 4-(3-chlorophenyl)-6-(2-imidazol-1-yl-1-phenylethoxy)-1-methyl-1H-quinolin-2-one was prepd.
AN 2000:785903 CAPLUS

DN 133:335168
TI Preparation of benzopyranones and quinolones as inhibitors of ras farnesyl transferase
IN Kaltenbronn, James Stanley; Leonard, Daniele Marie; Repine, Joseph Thomas
PA Warner-Lambert Co., USA
SO U.S., 20 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| US 6143766 | A | 20001107 | US 2000-488437 | 20000120 |

PRAI US 1999-129586P P 19990416
OS MARPAT 133:335168
IT **303999-02-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzopyranones and quinolones as inhibitors of ras farnesyl transferase)
RN 303999-02-2 CAPLUS
CN 2(1H)-Quinolinone, 4-(3-chlorophenyl)-1-methyl-6-[(1-methyl-1H-imidazol-5-yl)phenylmethoxy]- (9CI) (CA INDEX NAME)




RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

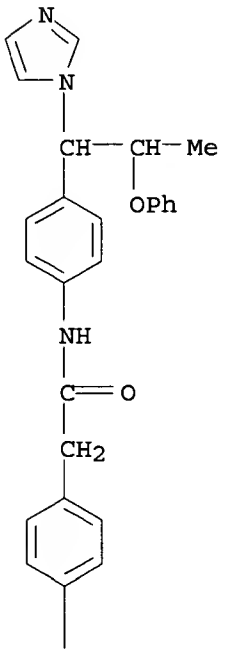
L5 ANSWER 7 OF 30 CAPLUS COPYRIGHT 2002 ACS
AB R4C(:X)NR3ZCRR1R2 [I; R = pyrrolyl, imidazolyl, triazolyl, pyridinyl, etc.; R1 = H, OH, alkyl, aryl; R2 = H, (un)substituted alkyl, (hetero)aryl, etc.; R3 = H, (ar)alkyl, (hetero)aryl, etc.; R4 = H, OH, (un)substituted alkyl, alkoxy, etc.; X = O, S, NR3; Z = 1,4-phenylene] were prepd. Thus, 4-(AcHN)C6H4CHRCHMe2 (II; R = OH) was O-mesylated and the product condensed with 1H-1,2,4-triazole to give II (R = 1H-1,2,4-triazol-1-yl). Data for biol. activity of I were given.
AN 1999:388171 CAPLUS
DN 131:44827
TI Preparation of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and analogs as retinoid metabolism inhibitors
IN Mabire, Dominique; Adelinet, Christophe Denis; Csoka, Imre Christian; Venet, Marc Gaston
PA Janssen Pharmaceutica N.V., Belg.
SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 9929674 | A1 | 19990617 | WO 1998-EP8126 | 19981208 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2312720 | AA | 19990617 | CA 1998-2312720 | 19981208 |
| | AU 9921608 | A1 | 19990628 | AU 1999-21608 | 19981208 |
| | EP 1037880 | A1 | 20000927 | EP 1998-965820 | 19981208 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | JP 2001525400 | T2 | 20011211 | JP 2000-524271 | 19981208 |
| | ZA 9811351 | A | 20000612 | ZA 1998-11351 | 19981210 |
| | US 6319939 | B1 | 20011120 | US 2000-555775 | 20000601 |
| | US 2002115653 | A1 | 20020822 | US 2001-962551 | 20010925 |
| PRAI | EP 1997-203886 | A | 19971211 | | |
| | WO 1998-EP8126 | W | 19981208 | | |
| | US 2000-555775 | A3 | 20000601 | | |

OS MARPAT 131:44827
IT **227282-79-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and analogs as retinoid metab. inhibitors)
RN 227282-79-3 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]- (9CI) (CA INDEX NAME)

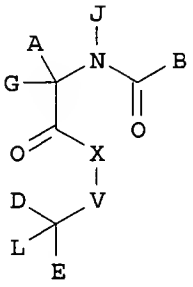
PAGE 1-A



PAGE 2-A

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



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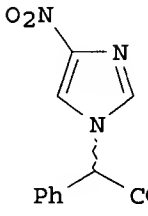

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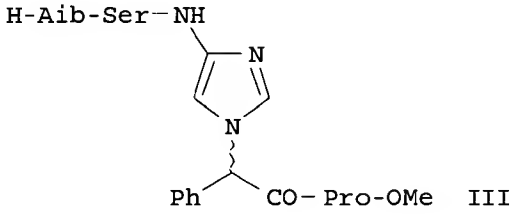


III

AB This invention relates to novel title compds. I [A = C1-6 alkyl, aryl, C1-6 alkylaryl, C1-6 alkyl-O-C1-6 alkylaryl, C1-6 alkyl-S-C1-6 alkylaryl, indolyl, indolinyl, thienyl, C1-6 alkylthienyl, benzothienyl, benzofuranyl, naphthyl, cyclohexyl, etc.; B = NH2, substituted amino, alkylamino, alkylcycloalkylamino, nitrogen heterocycle; X = C1-6 alkylidenyl, O, S, NH, N-C1-6 alkyl; V = C6H4, nitrogen-contg. heterocycle; D = any group A, C1-6 alkyl-SO2-aryl, C1-6 alkyl-SO2-C1-6 alkyl; E = H, any group A, CO-C1-6 alkyl, aryl-CONH2, etc.; or D and E form indanyl, fluorenyl, or cycloalkyl ring; G = H, C1-6 alkyl, aryl, C1-6 alkylaryl, C1-6 alkenyl; J = H, C1-6 alkyl, aryl, C1-6 alkylaryl; L = H, C1-6 alkyl, CO2-C1-6 alkyl, aryl, C1-6 alkylaryl, CO2-C1-6 alkylaryl, C1-6 alkenyl, F, CN, C1-6 alkyl-OH, C1-6 alkyl-O-C1-6 alkyl, etc.] and pharmaceutically acceptable salts and hydrates thereof, which are useful in the modulation of endogenous growth hormone levels in a mammal. The invention further relates to novel intermediates for use in the synthesis of said compds., as well as novel processes employed in these syntheses. Also included are methods of treating a mammal which include the administration of said compds. Thus, catalytic redn. of nitroimidazole dipeptide II (prepn. given), followed by sequential peptide coupling with Boc-Ser(CH2Ph)-OH and Boc-Aib-OH (Aib = .alpha.-aminoisobutyric acid) and deprotection, gave desired peptide deriv. III. III showed EC50 = 2.39 mM in a pituitary cell culture assay for growth hormone secretion.

AN 1999:141228 CAPLUS

DN 130:182769

TI Preparation of heterocyclic peptide derivatives as growth hormone secretagogues

IN Dodge, Jeffrey Alan; Hauser, Kenneth Lee; Heiman, Mark Louis; Jones, Scott Alan; Alt, Charles Arthur; Bryant, Henry Uhlman; Cohen, Jeffrey Daniel; Copp, James Densmore; Fahey, Kennan Joseph; Gritton, William Harlan; Jungheim, Louis Nickolaus; Kennedy, Joseph Henry; Lugar, Charles Willis, III; Muehl, Brian Stephen; Palkowitz, Alan David; Ratz, Andrew Michael; Rhodes, Gary Anthony; Robey, Robert Lewis; Seyler, David Edward; Shepherd, Timothy Alan; Thrasher, Kenneth Jeff; Trankle, William George

PA Eli Lilly and Compay, USA

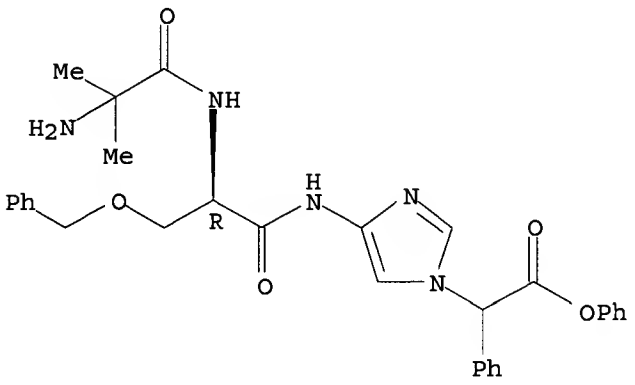
SO PCT Int. Appl., 876 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 9908699 | A1 | 19990225 | WO 1998-US17229 | 19980819 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | EP 933365 | A2 | 19990804 | EP 1998-306622 | 19980818 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | CA 2302467 | AA | 19990225 | CA 1998-2302467 | 19980819 |
| | AU 9890256 | A1 | 19990308 | AU 1998-90256 | 19980819 |
| | AU 738204 | B2 | 20010913 | | |
| | BR 9811948 | A | 20000822 | BR 1998-11948 | 19980819 |
| | JP 2001515046 | T2 | 20010918 | JP 2000-509436 | 19980819 |
| | WO 2000010565 | A1 | 20000302 | WO 1999-US3525 | 19990219 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9926868 | A1 | 20000314 | AU 1999-26868 | 19990219 |
| | EP 1112071 | A1 | 20010704 | EP 1999-907136 | 19990219 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| | JP 2002523368 | T2 | 20020730 | JP 2000-565886 | 19990219 |
| | NO 2000000823 | A | 20000412 | NO 2000-823 | 20000218 |
| PRAI | US 1997-56142P | P | 19970819 | | |
| | EP 1998-306621 | A | 19980818 | | |
| | EP 1998-306622 | A | 19980818 | | |
| | WO 1998-US17229 | W | 19980819 | | |
| | WO 1999-US3525 | W | 19990219 | | |

OS MARPAT 130:182769
IT **220538-68-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclic peptide derivs. as growth hormone secretagogues)
RN 220538-68-1 CAPLUS
CN D-Serinamide, 2-methylalanyl-N-[1-(2-oxo-2-phenoxy-1-phenylethyl)-1H-imidazol-4-yl]-O-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●2 HCl

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; A = alkyl, aryl, alkylaryl, etc.; B = NH2, alkylNH2, alkylarylNH2, etc.; X = alkylidenyl, O, S, etc.; V = II-IV, etc.; D = H, alkyl, alkylOC(O)alkyl, etc.; E = H, alkyl, aryl, etc.; DE = indanyl, fluorenyl, cycloalkyl; G = H, alkyl, aryl, etc.; J = H, alkyl, aryl, alkylaryl; L = H, alkyl, aryl, etc.] and their pharmaceutically acceptable salts, useful for the modulation of cardiac function by the administration of a growth hormone secretagogue, which results in an increase in the levels of endogenous growth hormone, were prepd. and formulated. E.g., a multi-step synthesis of V which showed EC50 of 5.53 .mu.M against GH secretion, was given. Further provided are methods for the treatment of congestive heart failure by the administration of a growth hormone secretagogue in combination with a growth hormone releasing hormone, or in combination with an antihypertensive agent, diuretic, or other suitable agents.

AN 1999:141226 CAPLUS
DN 130:209977
TI Treatment of congestive heart failure with growth hormone secretagogues
IN Kauffman, Raymond Francis; Palkowitz, Alan David
PA Eli Lilly and Company, USA
SO PCT Int. Appl., 775 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 9908697 | A1 | 19990225 | WO 1998-US17201 | 19980819 |

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,

DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

| | | | | | |
|---|---|---|---|---|---|
| EP 898963 | A2 | 19990303 | EP 1998-306621 | 19980818 | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | | |
| BR 9803168 | A | 20000111 | BR 1998-3168 | 19980818 | |
| CA 2300848 | AA | 19990225 | CA 1998-2300848 | 19980819 | |
| AU 9894715 | A1 | 19990308 | AU 1998-94715 | 19980819 | |
| JP 2001515045 | T2 | 20010918 | JP 2000-509434 | 19980819 | |
| JP 2002523368 | T2 | 20020730 | JP 2000-565886 | 19990219 | |
| US 6329342 | B1 | 20011211 | US 2000-485924 | 20000218 | |
| PRAI US 1997-56135P | P | 19970819 | | | |
| WO 1998-US17201 | W | 19980819 | | | |
| WO 1999-US3525 | W | 19990219 | | | |

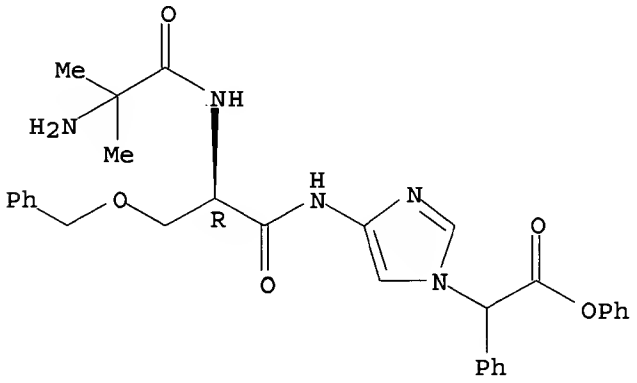
OS MARPAT 130:209977

IT **220538-68-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(treatment of congestive heart failure with growth hormone secretagogues)

RN 220538-68-1 CAPLUS

CN D-Serinamide, 2-methylalanyl-N-[1-(2-oxo-2-phenoxy-1-phenylethyl)-1H-imidazol-4-yl]-O-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.




●2 HCl

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 30 CAPLUS COPYRIGHT 2002 ACS

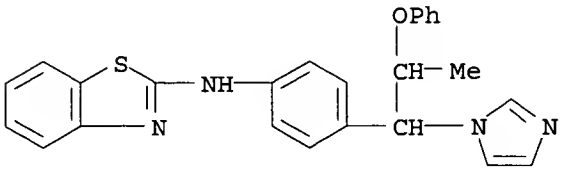
AB 4-RNR3C6H4CR1R2(Het) [I, R = mono- or bicyclic heterocyclyl; R1 = H, hydroxy, C1-6alkyl or aryl; R2 = H, optionally substituted C1-12alkyl, C3-7cycloalkyl, C2-8alkenyl, optionally substituted pyrrolidinyl or aryl;

R3 = H, optionally substituted C1-6alkyl or aryl; Het is an optionally substituted unsatd. heterocycle selected from imidazolyl, triazolyl, tetrazolyl, and pyridinyl] and their N-oxides or salts were prepd. E.g., reaction of 4-(2-benzothiazolylamino)-.alpha.-(1-ethylpropyl)benzenemethanol methanesulfonate with 1H-1,2,4-triazole gave N-[4-[2-ethyl-1-(1H-1,2,4-triazol-1-yl)butyl]phenyl]-2-benzothiazolamine. The inhibitory activity of I on the metab. of retinoic acid in human breast cancer cells was investigated. I were also effective in suppressing induced vaginal keratinization effects in ovariectomized rates.

AN 1998:42399 CAPLUS
DN 128:102083
TI Preparation of N-[4-(heteroarylmethyl)phenyl]heteroarylamines as inhibitors of retinoic acid metabolism
IN Venet, Marc Gaston; Mabire, Dominique Jean-pierre; Lacrampe, Jean Fernand Armand; Sanz, Gerard Charles
PA Janssen Pharmaceutica N.V., Belg.; Venet, Marc Gaston; Mabire, Dominique Jean-Pierre; Lacrampe, Jean Fernand Armand; Sanz, Gerard Charles
SO PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 9749704 | A1 | 19971231 | WO 1997-EP3248 | 19970619 |
| | W: AL, AM, AU, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2258165 | AA | 19971231 | CA 1997-2258165 | 19970619 |
| | AU 9734356 | A1 | 19980114 | AU 1997-34356 | 19970619 |
| | AU 711575 | B2 | 19991014 | | |
| | EP 907650 | A1 | 19990414 | EP 1997-930378 | 19970619 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO | | | | |
| | CN 1223654 | A | 19990721 | CN 1997-195865 | 19970619 |
| | BR 9710002 | A | 19990810 | BR 1997-10002 | 19970619 |
| | JP 2000503670 | T2 | 20000328 | JP 1998-502321 | 19970619 |
| | IL 127740 | A1 | 20010913 | IL 1997-127740 | 19970619 |
| | ZA 9705698 | A | 19990120 | ZA 1997-5698 | 19970626 |
| | KR 2000016196 | A | 20000325 | KR 1998-709764 | 19981130 |
| | NO 9806017 | A | 19990219 | NO 1998-6017 | 19981221 |
| | US 6124330 | A | 20000926 | US 1999-214080 | 19990429 |
| PRAI | EP 1996-201781 | A | 19960627 | | |
| | WO 1997-EP3248 | W | 19970619 | | |

OS MARPAT 128:102083
IT **201410-91-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N-[(heteroarylmethyl)phenyl]heteroarylamines as inhibitors of retinoic acid metab.)
RN 201410-91-5 CAPLUS
CN 2-Benzothiazolamine, N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]-(9CI) (CA INDEX NAME)



L5 ANSWER 11 OF 30 CAPLUS COPYRIGHT 2002 ACS
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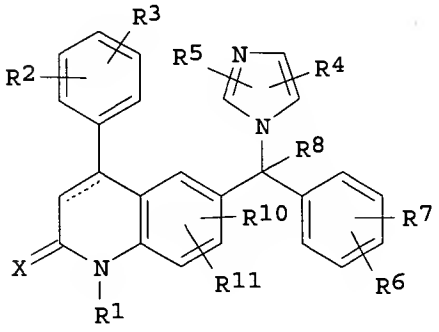

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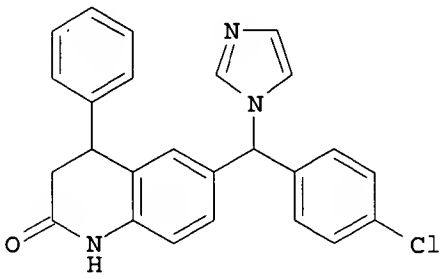


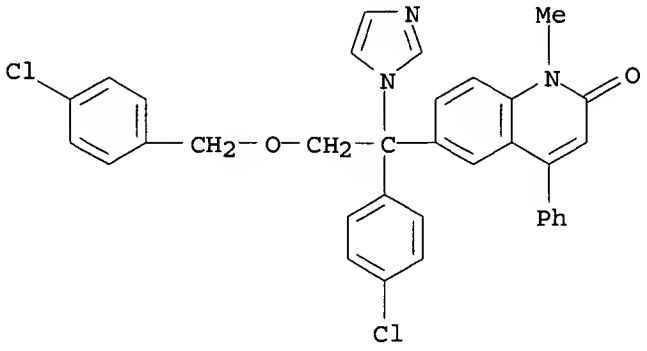
II

AB The invention concerns compds. I and their stereoisomers and pharmaceutically acceptable acid or base addn. salts [wherein dotted line = optional pi bond; X = O, S; R1-R11 = H, variety of substituents; adjacent R2R3 may form a bivalent radical]. I are inhibitors of farnesyl protein transferase (FPT), and are thus useful as inhibitors of tumors, other malignant and benign proliferative diseases, and angiogenesis. For instance, 3,4-dihydro-4-phenyl-2(1H)-quinolinone was acylated by 4-ClC6H4CO2H and polyphosphoric acid. The resulting ketone was reduced to an alc. with NaBH4, and the alc. was treated with NaH and 1,1'-carbonylbis-1H-imidazole to give title compd. II. Selected I had IC50 values of 0.0034-3.2 .mu.M for inhibition of FPT in vitro. In a ras-transformed cell phenotype reversion assay, selected I had IC50 values as low as 53 nM.
AN 1997:421302 CAPLUS
DN 127:34143
TI Farnesyl transferase inhibiting 2-quinolone derivatives

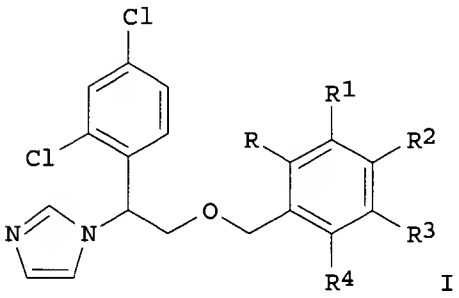
IN End, David William; Venet, Marc Gaston; Angibaud, Patrick Rene; Sanz, Gerard Charles
PA Janssen Pharmaceutica N.V., Belg.; End, David William; Venet, Marc Gaston; Angibaud, Patrick Rene; Sanz, Gerard Charles
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 9716443 | A1 | 19970509 | WO 1996-EP4661 | 19961025 |
| | W: AL, AM, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9674933 | A1 | 19970522 | AU 1996-74933 | 19961025 |
| | AU 712435 | B2 | 19991104 | | |
| | CN 1200732 | A | 19981202 | CN 1996-197917 | 19961025 |
| | JP 11514635 | T2 | 19991214 | JP 1996-517051 | 19961025 |
| | EP 1019395 | A1 | 20000719 | EP 1996-937249 | 19961025 |
| | EP 1019395 | B1 | 20020130 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO | | | | |
| | EP 1106610 | A1 | 20010613 | EP 2001-200450 | 19961025 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO | | | | |
| | AT 212627 | E | 20020215 | AT 1996-937249 | 19961025 |
| | ZA 9609087 | A | 19980429 | ZA 1996-9087 | 19961029 |
| | NO 9800928 | A | 19980429 | NO 1998-928 | 19980304 |
| | US 5968952 | A | 19991019 | US 1998-66441 | 19980429 |
| PRAI | EP 1995-202945 | A | 19951031 | | |
| | EP 1996-937249 | A3 | 19961025 | | |
| | WO 1996-EP4661 | W | 19961025 | | |

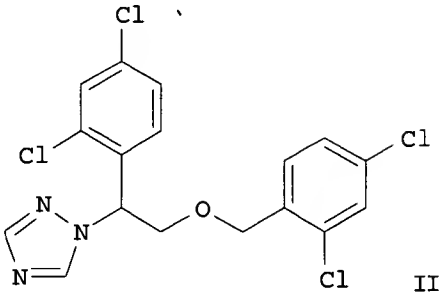
OS MARPAT 127:34143
IT **190898-15-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of quinolone derivs. as farnesyl transferase inhibitors)
RN 190898-15-8 CAPLUS
CN 2(1H)-Quinolinone, 6-[1-(4-chlorophenyl)-2-[(4-chlorophenyl)methoxy]-1-(1H-imidazol-1-yl)ethyl]-1-methyl-4-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 12 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



I



II

AB The synthesis of 1-(1H-imidazol-1-yl)-1-(2,4-dichlorophenyl)-2-(2,4-dichlorobenzyloxy)ethane (iso-miconazole) and related derivs. I (R = H, Cl, F; R1 = H, Me; R2 = H, Cl, F, Me, CMe3, cyano, etc.; R3 = H, Me; R4 = H, Cl) was accomplished by reacting Me .alpha.-bromo-2,4-(dichlorophenyl)acetate with imidazole. The resulting esters were reduced with lithium aluminum hydride to the corresponding alcs., which were treated with 2,4-dichlorobenzyl chloride or analogous arylmethyl halides to afford the title derivs. Reaction of amino deriv. I (R = R1 = R3 = R4 = H, R2 = NH2) with 2,5-dimethoxytetrahydrofuran in glacial acetic acid according to the Clauson-Kaas procedure afforded the related pyrrole deriv. I (R2 = 1-pyrrolyl). The triazole analog II of iso-miconazole was also synthesized. Among test derivs., compds. I (R = Cl, R1 = R2 = R3 = R4 = H; R = R4 = Cl, R1 = R2 = R3) were active against C. albicans, C. paratropicalis, C. neoformans and T. mentagrophytes with potencies slightly lower than miconazole but superior to that of bifonazole. Various derivs. were found active against C. neoformans.

AN 1996:338736 CAPLUS

DN 125:86557

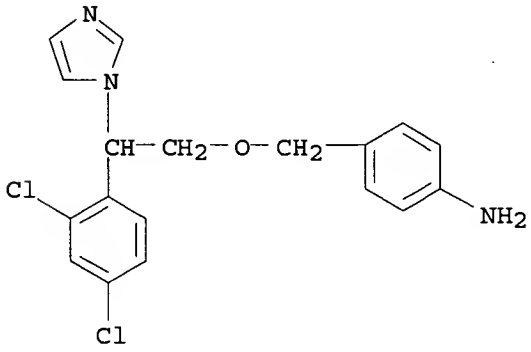
TI Iso-miconazole and related derivatives: synthesis and antifungal activities

AU Artico, Marino; Ragno, Rino; Porretta, Giulio Cesare; Massa, Silvio; Musiu, Chiara; Spiga, Maria Grazia; Corrias, Simona; La Colla, Paolo

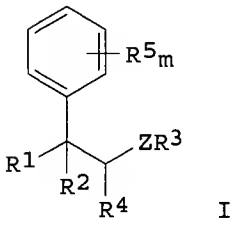
CS Dip. Studi Farmaceutici, Univ. Roma "La Sapienza", Rome, 00185, Italy

SO Medicinal Chemistry Research (1996), 6(3), 137-147

CODEN: MCREEB; ISSN: 1054-2523
PB Birkhaeuser
DT Journal
LA English
IT **178813-18-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn., fungicidal, bactericidal, and anti-HIV activity of iso-miconazole and derivs.)
RN 178813-18-8 CAPLUS
CN Benzenamine, 4-[[2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethoxy]methyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



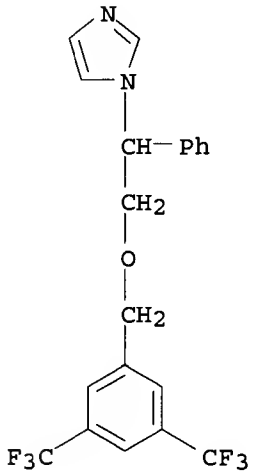
I

AB The title compds. [I; R1 = (un)substituted N-contg. arom. or non-arom. heterocycle; R2, R4 = H, C1-6 alkyl, alkenyl; R3 = (un)substituted phenylalkyl; R5 = alkyl, alkoxy, halogen, CF3; Z = O, S; m = 0-3], useful as tachykinin antagonists (no data), are prepd. Thus, (+)-1-[(3,5-bistrifluoromethylphenyl)methyloxy]-2-N(2,5-dimethylpyrrole)-2-phenylethane was prepd. from L-2-phenylglycinol in 4 steps.
AN 1994:557523 CAPLUS
DN 121:157523
TI Phenyl derivatives useful as tachykinin antagonists
IN Keown, Linda Elizabeth; Ladduwahetty, Tamara; Van Niel, Monique Bodil
PA Merck Sharp and Dohme Ltd., UK
SO PCT Int. Appl., 33 pp.

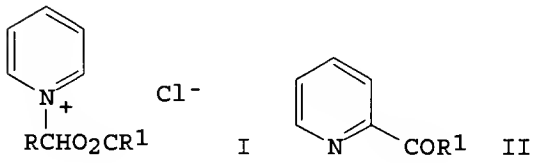
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI WO 9414767 | A1 | 19940707 | WO 1993-GB2559 | 19931215 |
| W: AU, CA, JP, US | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9457048 | A1 | 19940719 | AU 1994-57048 | 19931215 |
| US 5624947 | A | 19970429 | US 1995-481503 | 19950620 |
| PRAI GB 1992-26581 | | 19921221 | | |
| WO 1993-GB2559 | | 19931215 | | |

OS MARPAT 121:157523
IT **157171-50-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as tachykinin antagonist)
RN 157171-50-1 CAPLUS
CN 1H-Imidazole, 1-[2-[[3,5-bis(trifluoromethyl)phenyl]methoxy]-1-phenylethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 14 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The title compds., e.g., I, prepd. from R1COCl (R1 = Ph, Me3C, EtO, PhO, p-tolyl, p-anisyl, p-ClC6H4, 1-naphthyl, p-NCC6H4), RCHO (R = Ph, p-tolyl, p-O2NC6H4, 1-naphthyl, Et, Pr) and pyridine or its derivs., were treated with NaN(SiMe3)2 in the presence of ZnCl2 in THF at -80.degree. to give compds. such as II exclusively after an intramol. and regiospecific reaction. This method represents the first widely applicable acylation technique for N-heteroarom. compds. in which the incoming substituent (R1CO) functions as an internal electrophile and in which the formation of isomeric or polyacylated products has not yet been obsd. Both exptl. and theor. (MNDO) investigations show that the substitution reaction is primarily detd. by the conformational and electronic properties of the deprotonation product, which is formed preferentially.

AN 1987:176126 CAPLUS

DN 106:176126

TI N-[1-(Acyloxy)alkyl]heteroarylium salts in synthesis. 3. Intramolecular ortho-acylation of some N-heteroaromatic ring systems

AU Anders, Ernst; Boldt, Hans Guenter; Clark, Timothy; Fuchs, Renate; Gassner, Thomas

CS Inst. Org. Chem., Univ. Erlangen-Nuernberg, Erlangen, D-8520, Fed. Rep. Ger.

SO Chem. Ber. (1986), 119(1), 279-96
CODEN: CHBEAM; ISSN: 0009-2940

DT Journal

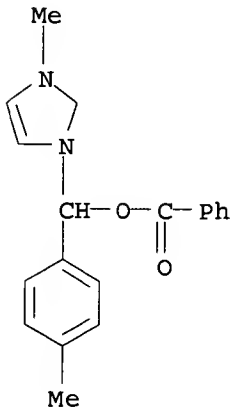
LA German

OS CASREACT 106:176126

IT **91435-91-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and intramol. acylation of)

RN 91435-91-5 CAPLUS

CN 1H-Imidazolium, 1-[(benzoyloxy)(4-methylphenyl)methyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)

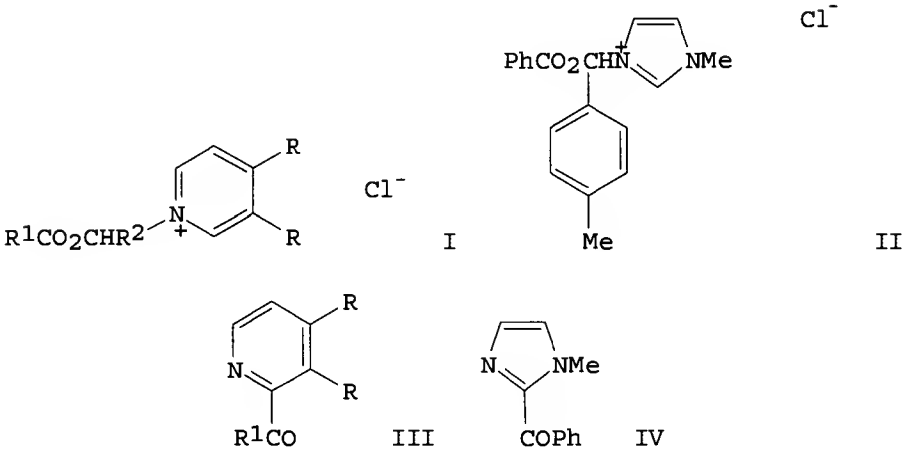



● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 15 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI




AB The heterocyclic amine salts I (R = H, R1 = R2 = Ph, R = EtO, R1 = p-MeC6H4; R2 = CH:CHCH:CH, R1 = Ph, R2 = p-MeC6H4) and II were treated with Me3SiN- Na+ to give the aryl heterocycles III and IV, resp., in 22-63% yields.

AN 1984:510819 CAPLUS

DN 101:110819

TI C2-acylation of N-heteroaromatic ring systems

AU Anders, Ernst; Boldt, Hans Guenter; Fuhs, Renate; Gassner, Thomas

CS Inst. Org. Chem., Univ. Erlangen-Nuernberg, Erlangen, D-8520, Fed. Rep. Ger.

SO Tetrahedron Lett. (1984), 25(16), 1715-16
CODEN: TELEAY; ISSN: 0040-4039

DT Journal

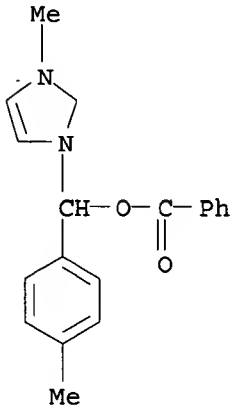
LA German

OS CASREACT 101:110819

IT **91435-91-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reaction of, with sodium bis(trimethylsilyl)amide, acylation product from)

RN 91435-91-5 CAPLUS

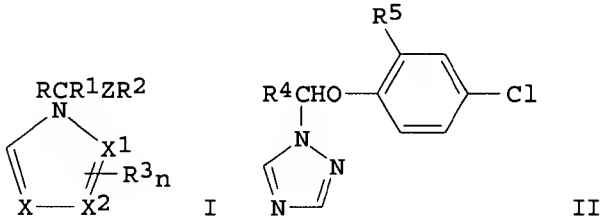
CN 1H-Imidazolium, 1-[(benzoyloxy)(4-methylphenyl)methyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 16 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The title compds. I [R = H, (un)substituted Ph, pyridyl; R1 = (un)substituted Ph, pyridyl, thienyl; R2 = (un)substituted Ph, pyridyl; R3 = C1-4 alkyl, Br, Cl, F, iodo; n = 0-3, X, X1, X2 = CH, N; Z = O, S] were prepd. as insecticides, fungicides, herbicides, and plant growth regulators. Thus, 1H-1,2,3-triazole was treated with 2,4-Cl2C6H3OH and 3-(dichloromethyl)pyridine to give a mixt. of bis(2,4-dichlorophenoxy)-3-methylpyridine and the desired triazole II (R4 = 3-pyridyl; R5 = Cl). At 400 ppm, II (R4 = 2-thienyl; R5 = H) controlled peach aphids at at least 75%. In preemergence application at 11.2 kg/ha II (R4 = 3,5-dichloro-2-pyridyl; R5 = Cl) controlled morning glory by at least 50%.
AN 1984:438455 CAPLUS
DN 101:38455
TI Aryl(aryloxy or arylthio)azolomethanes and their use
IN Rogers, Richard Brewer; Herrero, Maria Pilar
PA Dow Chemical Co., USA
SO Eur. Pat. Appl., 43 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|

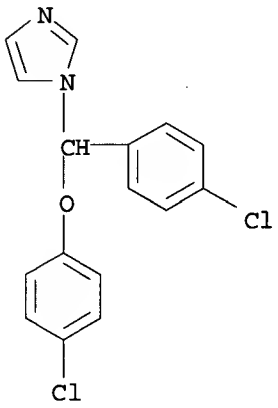
| | | | | | |
|---|---|---|---|---|---|
| PI | EP 101288 | A2 | 19840222 | EP 1983-304581 | 19830808 |
| | EP 101288 | A3 | 19840725 | | |
| | R: BE, DE, FR, GB, IT, NL | | | | |
| | DK 8303488 | A | 19840214 | DK 1983-3488 | 19830729 |
| | HU 32490 | O | 19840828 | HU 1983-2846 | 19830812 |
| | US 4636514 | A | 19870113 | US 1984-653399 | 19840924 |
| | US 4701463 | A | 19871020 | US 1986-897483 | 19860818 |
| | US 4701207 | A | 19871020 | US 1986-897551 | 19860818 |
| | US 4716174 | A | 19871229 | US 1986-898061 | 19860818 |
| | US 4717734 | A | 19880105 | US 1986-897484 | 19860818 |
| | US 4717732 | A | 19880105 | US 1986-897573 | 19860818 |
| | US 4717733 | A | 19880105 | US 1986-897574 | 19860818 |
| | US 4720502 | A | 19880119 | US 1986-897571 | 19860818 |
| | US 4728657 | A | 19880301 | US 1986-897572 | 19860818 |
| | US 4731372 | A | 19880315 | US 1986-897485 | 19860818 |
| PRAI | US 1982-407852 | | 19820813 | | |
| | US 1984-653399 | | 19840924 | | |

OS CASREACT 101:38455

IT **90703-48-3P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as fungicide, insecticide, and herbicide)

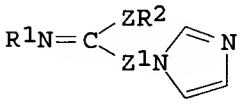
RN 90703-48-3 CAPLUS

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)

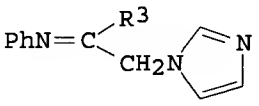


L5 ANSWER 17 OF 30 CAPLUS COPYRIGHT 2002 ACS

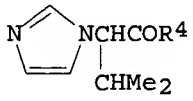
GI



I



II



III

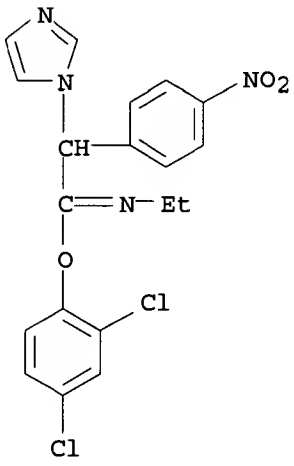
AB Imidazoles I [R1 = naphthyl, aryl-, cyclo-, cycloalkylalkyl, allyl, alkenyl, alkoxyalkyl, phenylthioalkyl, (un)substituted Ph; R2 = alkenyl, (un)substituted alkyl or Ph, cycloalkyl, alkylcarbonyl, naphthyl,

furfuryl; Z = O, S; Z1 = (un)substituted alkylene, alkenylene] and their salts were prepd. Thus, treating imidoyl chloride II.HCl (R3 = Cl) in MeOH with NaOMe-MeOH, then stirring 30 min gave ether II (R3 = OMe). Most I and their salts showed greater fungicidal activity against Puccinis recondita and Sphaerotheca fuliginea than III (R4 = OPr, NHPh), maneb, or quinomethionate; none were phytotoxic to wheat or cucumbers.

AN 1983:179374 CAPLUS
DN 98:179374
TI Imidazole derivatives and fungicide compositions containing them
IN Ohyama, Hiroshi; Morita, Ken; Wada, Takuo; Miyahara, Masahiko
PA Hokko Chemical Industry Co., Ltd., Japan
SO Ger. Offen., 119 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

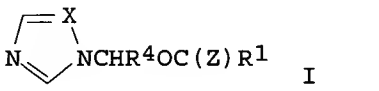
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 3210009 | A1 | 19821014 | DE 1982-3210009 | 19820319 |
| | DE 3210009 | C2 | 19890914 | | |
| | JP 57156464 | A2 | 19820927 | JP 1981-41298 | 19810320 |
| | JP 60005593 | B4 | 19850212 | | |
| | US 4391804 | A | 19830705 | US 1982-358533 | 19820316 |
| | GB 2095251 | A | 19820929 | GB 1982-7746 | 19820317 |
| | GB 2095251 | B2 | 19850123 | | |
| | FR 2502150 | A1 | 19820924 | FR 1982-5043 | 19820319 |
| | FR 2502150 | B1 | 19851129 | | |
| | BR 8201546 | A | 19830208 | BR 1982-1546 | 19820319 |
| PRAI | JP 1981-41298 | | 19810320 | | |

OS CASREACT 98:179374
IT **84479-44-7P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and fungicidal activity of)
RN 84479-44-7 CAPLUS
CN 1H-Imidazole-1-ethanimidic acid, N-ethyl-.alpha.-(4-nitrophenyl)-, 2,4-dichlorophenyl ester (9CI) (CA INDEX NAME)

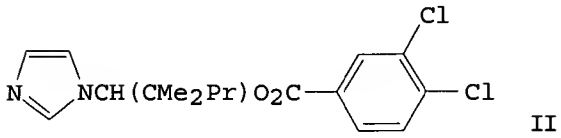



L5 ANSWER 18 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI



I



II

AB The title compds. I [R1 = Ph, naphthyl, Ph mono-, di- or tri(un)substituted with halogen, Ph, NO2, cyano, C1-4 alkyl, alkoxy, or alkylthio, di-C1-4-alkylamino, or PhO, Cl-(un)substituted C1-10 alkyl, C1-4 alkyl or Ph-(un)substituted C3-7 cycloalkyl, NR2R3 [R2 = H, C1-4 alkyl; R3 = C1-4 alkyl, Ph, mono-, di-, or tri-halo, NO2, CF3, C1-4 alkyl, or C1-4 alkoxy (un)substituted Ph]; R4 = halo, Ph, or NO2 (un)substituted Ph, C1-10 alkyl, C2-10 alkenyl, C1-10 alkyl (un)substituted with halo or NO2 (un)substituted 1 or 2 Ph, C1-4 alkyl, C2-4 alkenyl, PhCH2, or Ph (un)substituted C3-7 cycloalkyl; X = CH, N, Z = O, S] and their Cu complexes, useful as agricultural fungicides, were prepd. by several methods. Treating 3,4-Cl2C6H3COCl in CHCl3 and a little ZnCl2-satd. Me2CO with PrCMe2CHO without heat, then at 40-42.degree. 2.5 h gave 92% 3,4-Cl2C6H3CO2CHClCMe2Pr which, in MeCN was treated with 1,2,4-triazol-1-ylsodium at room temp., then 1 h at 80.degree. to give 58.3% II. At 2 ppm, I (R1 = 4-PhC6H4, R4 = CMe2Pr, X = N, Z = O) killed 11-40% mildew on cucumber.

AN 1982:582426 CAPLUS

DN 97:182426

TI Imidazole and triazole pesticides

IN Curtze, Juergen; Mengel, Rudolf; Becher, Heinz Manfred; Drandarevski, Christo Assenov; Lust, Sigmund

PA Celamerck G.m.b.H. und Co. K.-G., Fed. Rep. Ger.

SO Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW

DT Patent

LA German

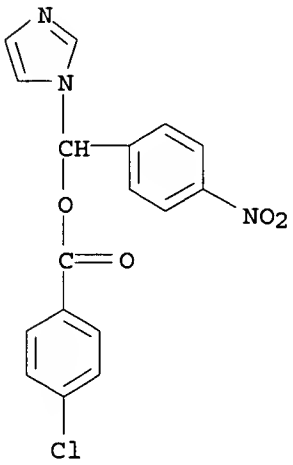
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | EP 53307 | A1 | 19820609 | EP 1981-109619 | 19811111 |
| | EP 53307 | B1 | 19840627 | | |
| | R: AT, BE, CH, DE, FR, GB, IT, LU, NL | | | | |
| | DE 3045055 | A1 | 19820701 | DE 1980-3045055 | 19801129 |
| | AT 8139 | E | 19840715 | AT 1981-109619 | 19811111 |
| | JP 57126480 | A2 | 19820806 | JP 1981-187676 | 19811120 |
| | CA 1163639 | A1 | 19840313 | CA 1981-390971 | 19811126 |
| PRAI | DE 1980-3045055 | | 19801129 | | |
| | EP 1981-109619 | | 19811111 | | |

IT **83331-05-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 83331-05-9 CAPLUS

CN Benzoic acid, 4-chloro-, 1H-imidazol-1-yl(4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 19 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB Title compds., which readily hydrolyze chem. or enzymatically to release a tertiary amine and other compds., as well as heterocyclic analogs with similar properties., were prepd. by quaternization of the corresponding tertiary amine. Thus, Et2NCH2CONHC6H3Me2-2,6 treated with Me3CCO2CH2Cl gave 80% (Me3CCO2CH2)Et2N+CH2CONHC6H3Me2-2,6 Cl-. Pilocarpine (I) was quaternized similarly with Me(CH2)14CO2CH2Cl to give a quaternary salt which released I in the eyes of albino rabbits at a higher and more sustained rate than I.HCl.

AN 1979:557420 CAPLUS

DN 91:157420

TI Labile, non-heterocyclic quaternary ammonium salt-esters as transient derivatives

IN Bodor, Nicolae S.

PA INTERx Research Corp., USA

SO U.S., 46 pp. Cont.-in-part of U.S. 3,998,815.
CODEN: USXXAM

DT Patent

LA English

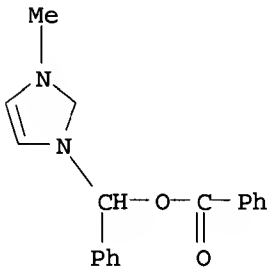
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | US 4160099 | A | 19790703 | US 1976-724914 | 19760920 |
| | US 3998815 | A | 19761221 | US 1974-482513 | 19740624 |
| | CA 1045628 | A1 | 19790102 | CA 1975-229912 | 19750623 |
| | FR 2276289 | A1 | 19760123 | FR 1975-19766 | 19750624 |
| | FR 2276289 | B1 | 19791019 | | |
| | AU 7582412 | A1 | 19770106 | AU 1975-82412 | 19750624 |
| | GB 1471828 | A | 19770427 | GB 1975-26734 | 19750624 |
| | US 4727151 | A | 19880223 | US 1978-962948 | 19781122 |
| PRAI | US 1974-482513 | | 19740624 | | |
| | US 1976-724914 | | 19760920 | | |

IT **58577-54-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 58577-54-1 CAPLUS

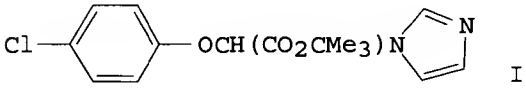
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)



● $Cl^-$

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 20 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



I

AB ROCR1R2COR3 (R = optionally substituted Ph, alkyl; R1 = optionally substituted azolyl; R2 = H, optionally substituted Ph, alkyl; R3 = alkoxy, cycloalkoxy, optionally substituted phenoxy, amino) were prepd. Thus, 4-ClC6H4OH was treated with ClCH2CO2CMe3 and the resulting 4-ClC6H4OCH2CO2CMe3 brominated to give 4-ClC6H4OCHBrCO2CMe3, which was treated with imidazole to give I. At 0.025% I protected rice against Pyricularia oryzae.
AN 1979:87469 CAPLUS
DN 90:87469
TI Azolylalkanecarboxylic acid derivatives
IN Thomas, Rudolf; Kraemer, Wolfgang; Buechel, Karl Heinz; Paul, Volker; Frohberger, Paul Ernst
PA Bayer A.-G., Ger.
SO Ger. Offen., 48 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

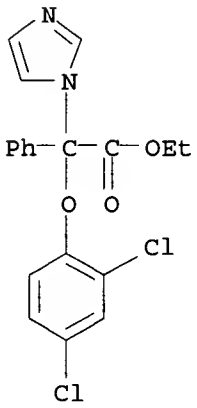
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2720654 | A1 | 19781116 | DE 1977-2720654 | 19770507 |
| | GB 1568350 | A | 19800529 | GB 1978-17482 | 19780503 |
| | IL 54637 | A1 | 19821231 | IL 1978-54637 | 19780504 |
| | BE 866718 | A1 | 19781106 | BE 1978-187402 | 19780505 |
| | DK 7801979 | A | 19781108 | DK 1978-1979 | 19780505 |
| | NL 7804859 | A | 19781109 | NL 1978-4859 | 19780505 |
| | FR 2389617 | A1 | 19781201 | FR 1978-13361 | 19780505 |

| | | | | | |
|---|---|---|---|---|---|
| | FR 2389617 | B1 | 19830114 | | |
| | BR 7802840 | A | 19790123 | BR 1978-2840 | 19780505 |
| | CH 638793 | A | 19831014 | CH 1978-4926 | 19780505 |
| | JP 53137959 | A2 | 19781201 | JP 1978-53310 | 19780506 |
| PRAI | DE 1977-2720654 | | 19770507 | | |

IT **69335-37-1P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and fungicidal activity of)
RN 69335-37-1 CAPLUS
CN 1H-Imidazole-1-acetic acid, .alpha.-(2,4-dichlorophenoxy)-.alpha.-phenyl-, ethyl ester, 1,5-naphthalenedisulfonate (2:1) (9CI) (CA INDEX NAME)

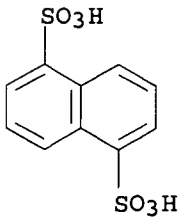
CM 1

CRN 69335-36-0
CMF C19 H16 Cl2 N2 O3

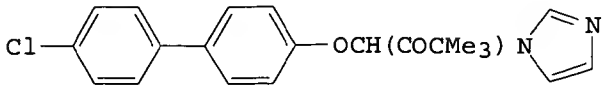


CM 2

CRN 81-04-9
CMF C10 H8 O6 S2



L5 ANSWER 21 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



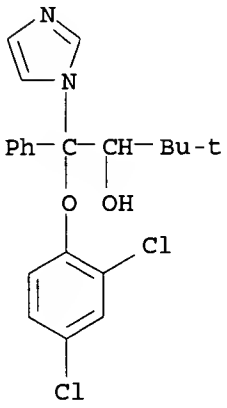

II

AB Imidazole and triazole compds. showing antimycolytic activity against Pityrosporum ovale were prepd. and used in shampoos and hair care compns. For example, 409 g 4'-chloro-4-hydroxybiphenyl [28034-99-3] was treated with 260 g .alpha.-chloropinacolone [13547-70-1] to give 513 g 1-[4'-(4''-chlorophenyl)phenoxy]-3,3-dimethyl-2-butanone (I) [58732-36-8]. I (650 g) was treated with 280 g imidazole [288-32-4] to give 1-imidazol-1-yl-1-[4'-(4''-chlorophenyl)phenoxy]-3,3-dimethyl-2-butanone-HCl (II) [58949-85-2]. II inhibited growth of P. ovale cultures at concns. <1 mcg/ml when examd. after 3 days. A liq. shampoo compn. contg. 50.0% monoethanolammonium lauryl sulfate, 3.5% oleic acid diethanolamine, 45.5% H2O, 1.0% antimycolytic, and desired amts. of perfume, dye, or preservatives was prepd.

AN 1976:169551 CAPLUS
DN 84:169551
TI Azole antimycotics as cosmetic agents
IN Buechel, Karl H.; Plempel, Manfred
PA Bayer A.-G., Ger.
SO Ger. Offen., 44 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2430039 | A1 | 19760108 | DE 1974-2430039 | 19740622 |
| | DE 2430039 | C2 | 19831110 | | |
| | GB 1502144 | A | 19780222 | GB 1975-20817 | 19750516 |
| | NO 7502015 | A | 19751223 | NO 1975-2015 | 19750606 |
| | CA 1050430 | A1 | 19790313 | CA 1975-229203 | 19750612 |
| | SE 7507017 | A | 19751223 | SE 1975-7017 | 19750618 |
| | FI 7501849 | A | 19751223 | FI 1975-1849 | 19750619 |
| | NL 7507333 | A | 19751224 | NL 1975-7333 | 19750619 |
| | BE 830467 | A1 | 19751222 | BE 1975-157529 | 19750620 |
| | DK 7502809 | A | 19751223 | DK 1975-2809 | 19750620 |
| | FR 2275194 | A1 | 19760116 | FR 1975-19424 | 19750620 |
| | FR 2275194 | B1 | 19790413 | | |
| | JP 51012940 | A2 | 19760131 | JP 1975-74598 | 19750620 |
| | JP 62020167 | B4 | 19870506 | | |
| | ZA 7503978 | A | 19760630 | ZA 1975-3978 | 19750620 |
| | BR 7503886 | A | 19760706 | BR 1975-4997 | 19750620 |
| | DD 121712 | C | 19760820 | DD 1975-186791 | 19750620 |
| | AU 7582315 | A1 | 19761223 | AU 1975-82315 | 19750620 |
| | AU 499071 | B2 | 19790405 | | |
| | IL 47531 | A1 | 19781031 | IL 1975-47531 | 19750620 |
| | US 4472421 | A | 19840918 | US 1980-135985 | 19800331 |
| PRAI | DE 1974-2430039 | | 19740622 | | |
| | US 1975-585847 | | 19750611 | | |

IT **55362-27-1**
RL: BIOL (Biological study)
(Pityrosporum ovale growth inhibition by)
RN 55362-27-1 CAPLUS
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 22 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB Quaternary [(benzoyloxy)methyl]ammonium chlorides were prepd. by reacting aliph. or heterocyclic tertiary N compds. with BzOCH2Cl or BzOCHClPh. Thus prepd. were 1-[(benzoyloxy)methyl]-3-(ethoxycarbonyl)pyridinium chloride, 3-[.alpha.-(benzoyloxy)benzyl]-1-methylimidazolium chloride (I), 4-[(benzoyloxy)methyl]-1-aza-4-azoniabicyclo[2.2.2]octane chloride, and (BzOCH2)Et2N+CH2CONHC6H3Me2-2,6 Cl-. I was also prepd. by reacting 1-methylimidazole with BzCl and BzH.

AN 1976:104968 CAPLUS

DN 84:104968

TI Quaternary ammonium salts

IN Bodor, Nicholae S.

PA Interx Corp., USA

SO Ger. Offen., 24 pp.
CODEN: GWXXBX

DT Patent

LA German

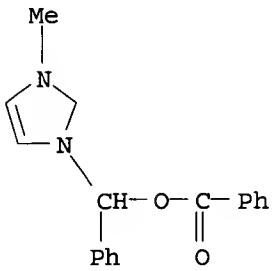
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2527993 | A1 | 19760115 | DE 1975-2527993 | 19750624 |
| | DE 2527993 | C2 | 19880811 | | |
| | US 3998815 | A | 19761221 | US 1974-482513 | 19740624 |
| | CA 1045628 | A1 | 19790102 | CA 1975-229912 | 19750623 |
| | FR 2276289 | A1 | 19760123 | FR 1975-19766 | 19750624 |
| | FR 2276289 | B1 | 19791019 | | |
| | AU 7582412 | A1 | 19770106 | AU 1975-82412 | 19750624 |
| | GB 1471828 | A | 19770427 | GB 1975-26734 | 19750624 |
| PRAI | US 1974-482513 | | 19740624 | | |

IT **58577-54-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 58577-54-1 CAPLUS

CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)



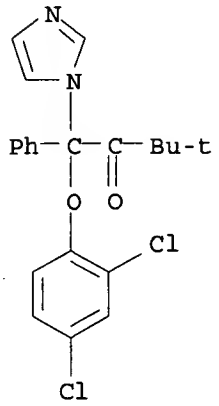


*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 23 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Imidazole derivs. I (R1, R2, and R3 = alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, or aralkyl, where R2 may also = H; X = O or S; and Y = ketone or keto deriv.) were effective as fungicides. For example, a spray application of 1-[4-chlorophenoxy-(tert-butylcarbonyl)methyl]imidazole [38083-17-9] (0.0025%) completely controlled Erysiphe gramimis hordei on barley seedlings 6 days after inoculation.
AN 1975:602723 CAPLUS
DN 83:202723
TI Fungicidal and microbicidal agents
IN Meiser, Werner; Buechel, Karl H.; Kraemer, Wolfgang; Grewe, Ferdinand; Frohberger, Paul E.
PA Bayer A.-G., Fed. Rep. Ger.
SO S. African, 51 pp.
CODEN: SFXXAB
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | ZA 7403155 | A | 19750528 | ZA 1974-3155 | 19740517 |
| | DE 2325156 | A1 | 19741205 | DE 1973-2325156 | 19730518 |
| PRAI | DE 1973-2325156 | | 19730518 | | |

IT **54720-27-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and fungicidal activity of)
RN 54720-27-3 CAPLUS
CN 2-Butanone, 1-(2,4-dichlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl-1-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



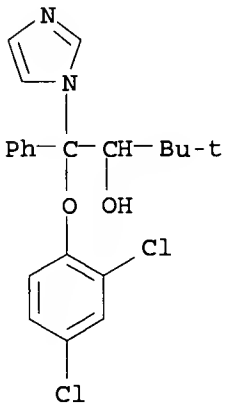
● HCl

L5 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Fifteen imidazolyl O,N-acetals I (R1 = Ph, halophenyl, Cl2C6H3, PhC6H4, p-Me3CC6H4, chloro- and dichlorobiphenylyl; R2 = R3 = H; R1 = 2,4-Cl2C6H3, R2 = Ph, R3 = H; R1 = p-ClC6H4, R2 = H, R3 = Me), useful antibiotics against dermato mycoses or systemic mycoses caused by Trichophyton mentagrophytes and other Trichophyton species, Microsporon species, Epidermophyton floccosum, and biphasic fungi, were prepd. by redn. of the corresponding ketones.
AN 1975:579057 CAPLUS
DN 83:179057
TI Antimicrobial preparations
IN Kraemer, Wolfgang; Buechel, Karl H.; Plempel, Manfred
PA Bayer A.-G., Fed. Rep. Ger.
SO Neth. Appl., 19 pp.
CODEN: NAXXAN
DT Patent
LA Dutch
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | NL 7408696 | A | 19750102 | NL 1974-8696 | 19740627 |
| | DE 2333355 | A1 | 19750320 | DE 1973-2333355 | 19730630 |
| | DE 2333355 | C2 | 19840119 | | |
| | US 3968229 | A | 19760706 | US 1974-481660 | 19740621 |
| | BE 816954 | A1 | 19741227 | BE 1974-145961 | 19740627 |
| | FI 7401980 | A | 19741231 | FI 1974-1980 | 19740627 |
| | SE 7408498 | A | 19750102 | SE 1974-8498 | 19740627 |
| | NO 7402361 | A | 19750102 | NO 1974-2361 | 19740628 |
| | FR 2234896 | A1 | 19750124 | FR 1974-22756 | 19740628 |
| | DK 7403505 | A | 19750317 | DK 1974-3505 | 19740628 |
| | JP 50036617 | A2 | 19750405 | JP 1974-73436 | 19740628 |
| | JP 58021605 | B4 | 19830502 | | |
| | DD 114223 | C | 19750720 | DD 1974-179571 | 19740628 |
| | AU 7470603 | A1 | 19760108 | AU 1974-70603 | 19740628 |
| | AU 498989 | B2 | 19790329 | | |
| | GB 1429144 | A | 19760324 | GB 1974-28819 | 19740628 |

| | | | | | |
|---|---|---|---|---|---|
| | AT 7405389 | A | 19760815 | AT 1974-5389 | 19740628 |
| | AT 336008 | B | 19770412 | | |
| PRAI | DE 1973-2333355 | | 19730630 | | |

IT **55362-27-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 55362-27-1 CAPLUS
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)




L5 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Thirteen butanols I (Rn = e.g. 3 or 4-Cl, 2,4-Cl2, 2 or 4-Ph, 4-Br, or 4-Me3C; R1 = H or Ph), used as fungicides, were manufd. by redn. of the corresponding 2-butanones with NaBH4 or LiAlH4.
AN 1975:170934 CAPLUS
DN 82:170934
TI 1-Imidazolyl-3,3-dimethyl-1-phenoxy-2-butanols
IN Kraemer, Wolfgang; Buechel, Karl H.; Frohberger, Paul E.; Scheinpflug, Hans
PA Bayer A.-G.
SO Ger. Offen., 27 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

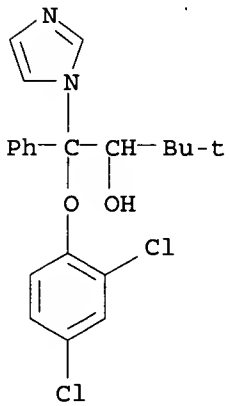
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2333354 | A1 | 19750116 | DE 1973-2333354 | 19730630 |
| | DE 2333354 | C2 | 19831215 | | |
| | US 3940414 | A | 19760224 | US 1974-480433 | 19740617 |
| | RO 64920 | B | 19790616 | RO 1974-79275 | 19740624 |
| | RO 64920 | P | 19800415 | | |
| | CS 187438 | P | 19790131 | CS 1974-4508 | 19740626 |
| | BE 816953 | A1 | 19741227 | BE 1974-145960 | 19740627 |
| | FI 7401981 | A | 19741231 | FI 1974-1981 | 19740627 |
| | SE 7408497 | A | 19750102 | SE 1974-8497 | 19740627 |
| | SE 408795 | C | 19791018 | | |
| | SE 408795 | B | 19790709 | | |
| | NL 7408698 | A | 19750102 | NL 1974-8698 | 19740627 |
| | BR 7405314 | A0 | 19750121 | BR 1974-5314 | 19740627 |

| | | | | |
|---|---|---|---|---|
| SU 522770 | D | 19760725 | SU 1974-2039331 | 19740627 |
| ES 427728 | A1 | 19770116 | ES 1974-427728 | 19740627 |
| NO 7402360 | A | 19750102 | NO 1974-2360 | 19740628 |
| NO 140008 | C | 19790620 | | |
| NO 140008 | B | 19790312 | | |
| FR 2235122 | A1 | 19750124 | FR 1974-22755 | 19740628 |
| DK 7403497 | A | 19750224 | DK 1974-3497 | 19740628 |
| DK 142411 | B | 19801027 | | |
| DK 142411 | C | 19810323 | | |
| ZA 7404167 | A | 19750625 | ZA 1974-4167 | 19740628 |
| DD 114334 | C | 19750812 | DD 1974-179578 | 19740628 |
| AU 7470604 | A1 | 19760108 | AU 1974-70604 | 19740628 |
| GB 1421689 | A | 19760121 | GB 1974-28818 | 19740628 |
| AT 7405390 | A | 19760815 | AT 1974-5390 | 19740628 |
| AT 336342 | B | 19770425 | | |
| HU 169484 | P | 19761228 | HU 1974-BA3101 | 19740628 |
| CH 595760 | A | 19780228 | CH 1974-8950 | 19740628 |
| CA 1054616 | A1 | 19790515 | CA 1974-203695 | 19740628 |
| JP 50036462 | A2 | 19750405 | JP 1974-73883 | 19740629 |
| JP 58024436 | B4 | 19830520 | | |
| JP 50040741 | A2 | 19750414 | JP 1974-73884 | 19740629 |
| JP 57056441 | B4 | 19821130 | | |
| PL 90741 | P | 19770131 | PL 1974-172296 | 19740629 |
| ES 449418 | A1 | 19770701 | ES 1976-449418 | 19760701 |
| JP 58023671 | A2 | 19830212 | JP 1982-129086 | 19820726 |
| PRAI DE 1973-2333354 | | 19730630 | | |

IT **55362-27-1P**
RL: PREP (Preparation)
(manuf. of fungicidal)

RN 55362-27-1 CAPLUS

CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)




L5 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2002 ACS

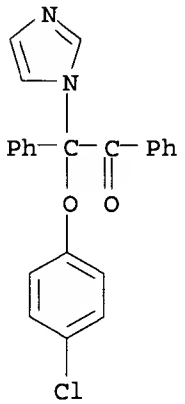
GI For diagram(s), see printed CA Issue.

AB Thirty-six imidazoles I [e.g. R = aryl; X = O or S; Y = CO, C(OH)2; Me, R1 = H, or Ph; R2 = Me, CMe3, or Ph], e.g. .omega.-(2',6'-dichlorophenoxy)-.omega.-(1-imidazolyl)acetophenone [54720-16-0], had fungicidal effects against various plant-pathol. fungi and microbicidal effects against soil bacteria. I compds. were prepd. by reaction of RnC6H5-nXCBrR1COR2 with imidazole.

AN 1975:120068 CAPLUS
DN 82:120068
TI Fungicidal imidazolylmethyl ketones
IN Meiser, Werner; Buechel, Karl H.; Kraemer, Wolfgang; Grewe, Ferdinand; Frohberger, Paul E.
PA Bayer A.-G.
SO Ger. Offen., 37 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2325156 | A1 | 19741205 | DE 1973-2325156 | 19730518 |
| | US 3898341 | A | 19750805 | US 1974-469938 | 19740514 |
| | NL 7406529 | A | 19741120 | NL 1974-6529 | 19740515 |
| | CH 563717 | A | 19750715 | CH 1974-6663 | 19740515 |
| | AU 7468996 | A1 | 19751120 | AU 1974-68996 | 19740515 |
| | BE 815110 | A1 | 19741118 | BE 1974-144379 | 19740516 |
| | FI 7401512 | A | 19741119 | FI 1974-1512 | 19740516 |
| | DD 114498 | C | 19750812 | DD 1974-178554 | 19740516 |
| | SU 511832 | D | 19760425 | SU 1974-2027849 | 19740516 |
| | BR 7404029 | A0 | 19741126 | BR 1974-4029 | 19740517 |
| | FR 2229352 | A1 | 19741213 | FR 1974-17259 | 19740517 |
| | ZA 7403155 | A | 19750528 | ZA 1974-3155 | 19740517 |
| | GB 1419734 | A | 19751231 | GB 1974-22019 | 19740517 |
| | AT 7404100 | A | 19760615 | AT 1974-4100 | 19740517 |
| | AT 335224 | B | 19770225 | | |
| | DK 133847 | B | 19760802 | DK 1974-2716 | 19740517 |
| | HU 169482 | P | 19761228 | HU 1974-BA3075 | 19740517 |
| | JP 50018633 | A2 | 19750227 | JP 1974-55023 | 19740518 |
| | ES 426401 | A1 | 19761216 | ES 1976-426401 | 19760428 |
| PRAI | DE 1973-2325156 | | 19730518 | | |

IT **38083-26-0P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and fungicidal activity of)
RN 38083-26-0 CAPLUS
CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 27 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB The propynylimidazoles I (R = H, halo, Pr, Ph, or morpholino; R1 = Me, iso-Pr, tert-Bu, or Ph) are fungicides. Thus, spraying with 0.00019% 1-[1-(1,1-dimethylethyl)-1,3-diphenyl-2-propyn-1-yl]-1H-imidazole (I, R = Ph, R1 = tert-Bu) [36698-18-7] prevented the development of Erysiphe cichoreacearum on cucumbers, in the greenhouse.

AN 1973:132682 CAPLUS

DN 78:132682

TI Fungitoxic 3-azolylpropynes

IN Jaeger, Gerhard; Buechel, Karl Heinz; Grewe, Ferdinand; Frohberger, Paul Ernst

PA Bayer A.-G.

SO Ger. Offen., 36 pp.
CODEN: GWXXBX

DT Patent

LA German

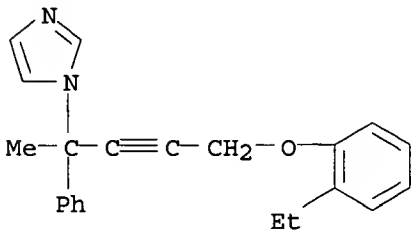
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2128700 | A1 | 19730104 | DE 1971-2128700 | 19710609 |
| | DE 2128700 | C2 | 19850425 | | |
| | US 3832466 | A | 19740827 | US 1972-257365 | 19720526 |
| | CS 170188 | P | 19760827 | CS 1972-3792 | 19720601 |
| | IL 39617 | A1 | 19750210 | IL 1972-39617 | 19720606 |
| | CH 531833 | A | 19721231 | CH 1972-531833 | 19720607 |
| | BR 7203666 | A0 | 19730531 | BR 1972-3666 | 19720607 |
| | IT 961223 | A | 19731210 | IT 1972-25369 | 19720607 |
| | DD 103135 | C | 19740112 | DD 1972-163511 | 19720607 |
| | AT 316209 | B | 19740625 | AT 1972-4897 | 19720607 |
| | BE 784587 | A1 | 19721208 | BE 1972-118441 | 19720608 |
| | NL 7207797 | A | 19721212 | NL 1972-7797 | 19720608 |
| | NL 176130 | B | 19841001 | | |
| | NL 176130 | C | 19850301 | | |
| | ZA 7203937 | A | 19730328 | ZA 1972-3937 | 19720608 |
| | GB 1365634 | A | 19740904 | GB 1972-26746 | 19720608 |
| | ES 403651 | A1 | 19750501 | ES 1972-403651 | 19720608 |
| | CA 972287 | A1 | 19750805 | CA 1972-144190 | 19720608 |
| | DK 132054 | B | 19751020 | DK 1972-2874 | 19720608 |
| | PL 84075 | P | 19760228 | PL 1972-155893 | 19720608 |
| | JP 57051802 | B4 | 19821104 | JP 1972-56536 | 19720608 |
| | FR 2140622 | A1 | 19730119 | FR 1972-20825 | 19720609 |
| | FR 2140622 | B1 | 19771230 | | |
| | HU 164708 | P | 19740411 | HU 1972-BA2752 | 19720609 |
| PRAI | DE 1971-2128700 | | 19710609 | | |

IT **36698-25-6**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BIOL (Biological study); USES (Uses)
(fungicides)

RN 36698-25-6 CAPLUS

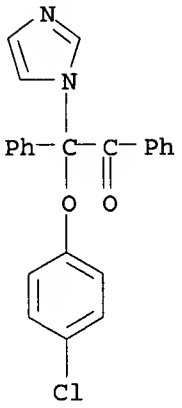
CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butynyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Eighteen title compds. (I, Q = CO or C(OH)2; Rn = o-, m-, and p-Cl, 2,6-, 3,6-, and 4,6-Cl2, 2,4,5-Cl3, p-Br, or p-Ph; R1 = H, Me, or Ph; R2 = CMe3, Ph, or p-ClC6H4) were prepd., partly as hydrochlorides, by reaction of imidazole (II) with RnC6H5-nOCR1BrQR2. I were used in vitro and in vivo against fungous parasites, e.g. Trichophyton species and Candida albicans. Thus, II and o-ClC6H4OCHBr-COPh was refluxed 18 hr in MeCN to give 70% I (Q = CO, Rn = o-Cl, R1 = H, R2 = Ph) (III). III had min. inhibition concn. <1 .gamma./ml against T. mentagrophytes.
AN 1972:552184 CAPLUS
DN 77:152184
TI Antimycotic imidazole derivatives
IN Meiser, Werner; Buechel, Karl Heinz; Plempel, Manfred
PA Farbenfabriken Bayer A.-G.
SO Ger. Offen., 29 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2105490 | A | 19720810 | DE 1971-2105490 | 19710205 |
| | DE 2105490 | C3 | 19790613 | | |
| | DE 2105490 | B2 | 19781012 | | |
| | DD 94819 | C | 19730112 | DD 1971-159986 | 19711229 |
| | US 3812142 | A | 19740521 | US 1972-219556 | 19720120 |
| | IL 38687 | A1 | 19751125 | IL 1972-38687 | 19720202 |
| | CH 577978 | A | 19760730 | CH 1972-1573 | 19720203 |
| | BE 778973 | A1 | 19720804 | BE 1972-113634 | 19720204 |
| | FR 2124506 | A5 | 19720922 | FR 1972-3855 | 19720204 |
| | FR 2124506 | B1 | 19760416 | | |
| | HU 163992 | P | 19731228 | HU 1972-BA2700 | 19720204 |
| | GB 1351542 | A | 19740501 | GB 1972-5326 | 19720204 |
| | JP 51042110 | B4 | 19761113 | JP 1972-12303 | 19720204 |
| | AT 311337 | B | 19731112 | AT 1972-951 | 19720207 |
| | US 3903287 | A | 19750902 | US 1973-402050 | 19731001 |
| PRAI | DE 1971-2105490 | | 19710205 | | |
| | US 1972-219556 | | 19720120 | | |

IT **38083-26-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 38083-26-0 CAPLUS
CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 29 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB The imidazoles (I) (R = Ph, H, pentyl, -EtC6H4OCH2, 1-pyrolidinylmethyl, morpholinomethyl, Et2NCH2; R1 = Ph, Me3C, Me2CH, Me; R2 = p-Cl, -Cl, m-NO2, -Me, m-Me) were prepd. by slowly dropping an MeCN soln. of the corresponding alkynol into an MeCN soln. of thionylbisimidazole at room temp. I were useful as antimycotic agents.
AN 1972:434518 CAPLUS
DN 77:34518
TI Antimycotic 1,3,3-trisubstituted-3-imidazolylpropynes
IN Jaeger, Gerhard; Plempel, Manfred; Buechel, Karl H.
PA Farbenfabriken Bayer A.-G.
SO Ger. Offen., 38 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2044621 | A | 19720316 | DE 1970-2044621 | 19700909 |
| | DE 2044621 | C3 | 19790705 | | |
| | DE 2044621 | B2 | 19781109 | | |
| | AU 7132946 | A1 | 19730315 | AU 1971-32946 | 19710901 |
| | CH 555332 | A | 19741031 | CH 1971-13051 | 19710906 |
| | CH 556334 | A | 19741129 | CH 1974-9284 | 19710906 |
| | IL 37660 | A1 | 19741231 | IL 1971-37660 | 19710906 |
| | AT 307413 | B | 19730525 | AT 1971-7768 | 19710907 |
| | HU 163659 | P | 19731027 | HU 1971-BA2641 | 19710907 |
| | SU 430551 | D | 19740530 | SU 1971-1696682 | 19710907 |
| | SU 447887 | D | 19741025 | SU 1971-1861749 | 19710907 |
| | ZA 7106019 | A | 19720426 | ZA 1971-6019 | 19710908 |
| | GB 1332393 | A | 19731003 | GB 1971-41881 | 19710908 |
| | CA 960213 | A1 | 19741231 | CA 1971-122319 | 19710908 |
| | PL 85326 | P | 19760430 | PL 1971-150402 | 19710908 |
| | SE 395143 | B | 19770801 | SE 1971-11381 | 19710908 |
| | BE 772402 | A1 | 19720309 | BE 1971-107986 | 19710909 |
| | NL 7112441 | A | 19720313 | NL 1971-12441 | 19710909 |
| | NL 174461 | B | 19840116 | | |
| | NL 174461 | C | 19840618 | | |
| | FR 2106408 | A5 | 19720505 | FR 1971-32614 | 19710909 |
| | FR 2106408 | B1 | 19750801 | | |
| | ES 394928 | A1 | 19741201 | ES 1971-394928 | 19710909 |

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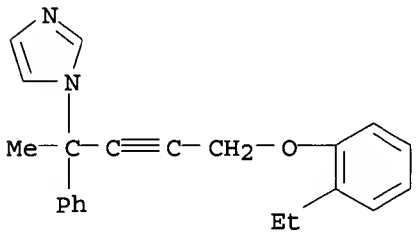
|---|---|---|---|---|---|
| | CS 177816 | P | 19770831 | CS 1971-6452 | 19710909 |
| | JP 56013714 | B4 | 19810330 | JP 1971-69313 | 19710909 |
| | US 3870726 | A | 19750311 | US 1973-348581 | 19730406 |
| | ES 422340 | A1 | 19760401 | ES 1974-422340 | 19740116 |
| PRAI | DE 1970-2044621 | | 19700909 | | |
| | US 1971-177843 | | 19710903 | | |

IT **36698-25-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 36698-25-6 CAPLUS
CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butynyl]- (9CI) (CA INDEX NAME)

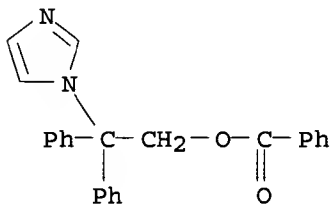



L5 ANSWER 30 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB -Imidazol-1-yl-2,2-diphenylethanol (I, R = CH2OH) and its esters and ethers were prepd. and tested as antimycotics. Thus, Me imidazol-1-yldiphenylacetate was reduced with LiAlH4 in THF to give 70% I (R = CH2OH), which was acetylated with Ac2O to give 50% I (R = CH2OAc). Also prepd. were I (R = CH2NHAc, CHMeOH, and CHPhOH).
AN 1972:140818 CAPLUS
DN 76:140818
TI Antimycotic phenyl imidazolyl alkanyl derivatives
IN Metzger, Carl; Meiser, Werner; Buechel, Karl H.; Plempel, Manfred
PA Farbenfabriken Bayer A.-G.
SO Ger. Offen., 49 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | DE 2041771 | A | 19720224 | DE 1970-2041771 | 19700822 |
| | DE 2041771 | C3 | 19790726 | | |
| | DE 2041771 | B2 | 19781123 | | |
| | US 3796704 | A | 19740312 | US 1971-172201 | 19710816 |
| | AU 7132467 | A1 | 19730222 | AU 1971-32467 | 19710818 |
| | HU 163071 | P | 19730628 | HU 1971-BA2631 | 19710818 |
| | SU 415875 | D | 19740215 | SU 1971-1693076 | 19710819 |
| | SU 451244 | D | 19741125 | SU 1971-1861747 | 19710819 |
| | RO 64158 | P | 19780815 | RO 1971-67999 | 19710819 |
| | RO 64454 | P | 19790715 | RO 1971-70519 | 19710819 |
| | RO 64454 | B | 19790321 | | |
| | RO 67637 | P | 19820201 | RO 1971-70518 | 19710819 |
| | BE 771584 | A1 | 19720221 | BE 1971-107272 | 19710820 |
| | NL 7111537 | A | 19720224 | NL 1971-11537 | 19710820 |
| | FR 2103452 | A5 | 19720414 | FR 1971-30448 | 19710820 |

| | | | | | |
|---|---|---|---|---|---|
| | FR 2103452 | B1 | 19750606 | | |
| | DD 94821 | C | 19730112 | DD 1971-157236 | 19710820 |
| | AT 310739 | B | 19731010 | AT 1971-7300 | 19710820 |
| | GB 1354909 | A | 19740530 | GB 1971-39196 | 19710820 |
| | AT 315835 | B | 19740610 | AT 1972-10069 | 19710820 |
| | AT 315836 | B | 19740610 | AT 1972-10070 | 19710820 |
| | IL 37537 | A1 | 19750425 | IL 1971-37537 | 19710820 |
| | CH 567486 | A | 19751015 | CH 1975-2513 | 19710820 |
| | CH 568981 | A | 19751114 | CH 1971-12284 | 19710820 |
| | NO 133402 | B | 19760119 | NO 1971-3118 | 19710820 |
| | CH 580594 | A | 19761015 | CH 1975-2512 | 19710820 |
| | FI 55500 | B | 19790430 | FI 1971-2333 | 19710820 |
| | FI 55500 | C | 19790810 | | |
| | ES 394421 | A1 | 19731216 | ES 1971-394421 | 19710821 |
| | PL 81801 | P | 19750830 | PL 1971-150130 | 19710821 |
| | PL 95241 | P | 19770930 | PL 1971-176730 | 19710821 |
| | PL 96369 | P | 19771231 | PL 1971-176733 | 19710821 |
| | PL 98624 | P | 19780531 | PL 1971-187173 | 19710821 |
| | PL 99299 | P | 19780630 | PL 1971-187174 | 19710821 |
| | JP 56040716 | B4 | 19810922 | JP 1971-63376 | 19710821 |
| | ZA 7105635 | A | 19720726 | ZA 1971-5635 | 19710823 |
| | SE 387342 | B | 19760906 | SE 1971-10671 | 19710823 |
| | SE 387941 | B | 19760920 | SE 1974-4140 | 19710923 |
| | SU 552025 | D | 19770325 | SU 1972-1861748 | 19721222 |
| | US 3892764 | A | 19750701 | US 1973-346939 | 19730402 |
| | SE 405115 | B | 19781120 | SE 1974-4139 | 19740327 |
| | SE 405115 | C | 19790301 | | |
| | NO 7500726 | A | 19720223 | NO 1975-726 | 19750304 |
| | NO 135787 | B | 19770221 | | |
| | NO 7500727 | A | 19720223 | NO 1975-727 | 19750304 |
| | NO 135363 | B | 19761220 | | |
| | FI 7702965 | A | 19771007 | FI 1977-2965 | 19771007 |
| | FI 55501 | B | 19790430 | | |
| | FI 55501 | C | 19790810 | | |
| | FI 7702964 | A | 19771007 | FI 1977-2964 | 19771007 |
| | JP 56156265 | A2 | 19811202 | JP 1981-36673 | 19810316 |
| | JP 56156266 | A2 | 19811202 | JP 1981-36674 | 19810316 |
| PRAI | DE 1970-2041771 | | 19700822 | | |
| | US 1971-172201 | | 19710816 | | |
| | FI 1971-2333 | | 19710820 | | |
| | NO 1971-3118 | | 19710820 | | |

IT **35988-55-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 35988-55-7 CAPLUS
CN 1H-Imidazole-1-ethanol, .beta.,.beta.-diphenyl-, benzoate (ester) (9CI)
(CA INDEX NAME)



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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 132.46 | 450.06 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| CA SUBSCRIBER PRICE | -18.59 | -18.59 |

STN INTERNATIONAL LOGOFF AT 19:03:26 ON 18 SEP 2002